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GENEVA

PATENT COOPERATION TREATY

INTERIM COMMITTEE FOR TECHNICAL COOPERATION

Fourth Session: Geneva, November 14 to 19, 1974

PCT MINIMUM DOCUMENTATION (NON-PATENT LITERATURE):
ESTABLISHMENT OF A MINIMUM LIST OF NON-PATENT LITERATURE
UNDER PCT RULE 34.1(b) (iii)

Progress report prepared by the International Bureau

Introduction

1. At its third session, held in Tokyo in October 1973, the PCT Interim Committee for Technical Cooperation (hereinafter referred to as "the Interim Committee") decided that its Standing Subcommittee should continue the study of non-patent literature under Rule 34.1(b) (iii) aiming at establishing a minimum list of periodicals. The study should take into account the results of the survey reflected in document PCT/TCO/III/4, the proposal by the Netherlands contained in document PCT/TCO/III/10, the proposals to be submitted by the representative of the Federal Republic of Germany and the observations made during the discussion of this question at that session.

2. Since no session of the Standing Subcommittee is scheduled to take place in 1974, the International Bureau is submitting its progress report to the Interim Committee.

Background

3. It is recalled that the Standing Subcommittee had attempted, in successive sessions, to narrow down a total of 4,402 different periodicals regularly received by prospective International Searching Authorities and International Preliminary Examining Authorities (hereinafter referred to as "prospective Authorities") under the Patent Cooperation Treaty, to the minimum list referred to in Rule 34.1(b) (iii) of the PCT.

4. As a result, a "first list" of 594 periodicals was established, listing only those periodicals subscribed to or received by three or more prospective Authorities (see document PCT/TCO/SS/I/3, Annex).

5. A further survey by the International Bureau was undertaken with the aim of identifying the 100 periodicals, from all the world literature, which the examiners of each prospective Authority considered to be the most useful in the sense that they were most likely to contain disclosures not available in the present patent literature (Request No. 1), and of identifying, in addition, about 30 periodicals considered to be the most outstanding in the language of the country of the prospective Authority (Request No. 2).

6. In that survey, the entire field of technology was broken down into three broad technical fields:

Chemical field--mainly chemistry and chemical engineering, but also metallurgy, textiles, paper, foodstuffs, medicine and biology;

electrical and physics fields--mainly electricity and electronics, but also communications, data processing, automation, control, instrumentation, lighting, nucleonics and physics;

mechanical field--mainly mechanical and civil engineering, but also in general everything not included in or fitting better into the other two subdivisions.

This broad breakdown was necessary since there was a general consensus that the mechanical field should be represented less strongly than the other two fields. A more finely detailed breakdown of the different technical fields had been submitted earlier for all 594 periodicals listed in the first attempt at a minimum list (see document PCT/TCO/SS/I/3, Annex, Part III, Catchword Index by Technical Fields).

7. As a result of the survey referred to in paragraph 5 above, a total of 434 periodical titles was listed in response to Request No. 1, of which 355 were already contained in the "first list" of 594 periodicals.

8. A total of 155 periodical titles was listed in response to Request No. 2, of which 108 were also contained in the list of 434 periodicals obtained in response to request No. 1 (see document PCT/TCO/III/4, paragraphs 19 to 21, and the diagram on page 6).

Proposals and observations made at the third session of the Interim Committee

9. The analysis of the proposals and observations made at the third session of the Interim Committee, as well as of the data obtained and the proposals received thereafter by the International Bureau, produced three major questions which require further study in connection with the establishment of the minimum list:

- (a) the criteria to be applied for the selection of the periodicals;
- (b) the total number of periodicals;
- (c) the cut-off date from which the periodicals should become part of the PCT minimum documentation.

10. With regard to selection criteria, seven approaches have been identified (the proponents being indicated in parentheses) on which the establishment of the minimum list could be based:

- (i) a study based on five statistical criteria as summarized in paragraph 16 (NL);
- (ii) technical field coverage (JA, IIB);
- (iii) language distribution (DT, SU);
- (iv) agreement of a minimum number of prospective Authorities in favor of inclusion in list (DT, GB, US, SU, IIB);
- (v) geographical distribution (JA);
- (vi) availability of abstracting services (JA, OE, DT, SU, IIB);
- (vii) inclusion of trade journals (AIPPI).

11. With regard to the total number of publications to be contained in the minimum list, the indications given range from about 100 to 200.

12. With regard to cut-off dates, only two members of the Interim Committee have so far expressed an opinion. The representative of Switzerland expressed preference for including several years of past publications, whereas the representative of the United States of America stated that after a certain time the subject matter covered in non-patent literature was also covered by the patent literature, and it therefore

seemed advantageous to include only recent publications in the minimum documentation. From a practical point of view, it would seem that this question should be studied as soon as a decision on the contents of the minimum list has been made.

13. In the following paragraphs the specific proposals submitted to the International Bureau are briefly outlined.

Proposal of the Netherlands Patent Office

14. A study carried out by the Netherlands Patent Office led to the establishment of five statistical criteria, described in more detail in paragraph 16, which were applied to a certain number of periodicals. The results of this procedure were indicated in Annexes C and D to document PCT/TCO/III/10, and are attached as Annexes I and II to this document.

15. In formulating its proposal, the Netherlands Patent Office stated that the study carried out by it was not specifically designed to arrive at a modified list for PCT purposes, since it had been heavily influenced by the practices in the Netherlands Office and in the IIB, and the results were therefore not directly applicable in general to other Offices. It suggested, however, that after the start of operations with a minimum list (however arrived at), methods like those proposed by that Office should be applied for a continuous evaluation and improvement of the list of selected periodicals (see Annex B, paragraph 7, of document PCT/TCO/III/10).

16. The five criteria proposed by the Netherlands Patent Office are given below. In parentheses a certain number of questions are formulated which might need consideration in applying the criteria. It is to be noted that according to the Netherlands proposal the statistical data for each periodical are to be collected separately, and the period of time of observation should be the same for each periodical examined and for each criterion applied. This period of time should not be less than one year.

- (i) The first criterion is the number of selected articles inserted in the search files. (Would it not be advisable to have this number qualified as meaning the number of first copies of articles, or the total number of copies of articles including the cross-reference copies?)
- (ii) The second criterion is the number of selected articles cited in search reports.
- (iii) The third criterion is the percentage of articles selected from the total number of articles published in the periodical. (Would this percentage not favor the highly specialized periodicals, since the periodicals that cover a broad field of technology might with more statistical probability show a lower percentage (yield)? The favoring of highly specialized periodicals might, however, mean an increase in the total number of periodicals.)
- (iv) The fourth criterion is the total number of periodicals that cover the same technological field as the periodical being studied. (Would this indication not seem to favor the exclusive periodical in one branch of a technological field, a branch which may not be of the same industrial significance as another, broader, branch of high inventive activity, but where also the number of periodicals covering the field may be high?)
- (v) The fifth criterion is the ratio between two percentages. The percentage in the nominator shows the relation between the number of periodicals in the particular technological field, and the total number of periodicals subscribed to or received by the prospective Authority. The percentage in the denominator shows the relation between the number of searches in the particular technological field, and the total number of searches performed by the prospective Authority. (As this ratio would be the same for all periodicals belonging to a particular field of technology, how would it be used as an objective criterion for selection, or evaluation, of a particular periodical from among the other periodicals covering the same field of technology?)

17. From the preceding paragraph it is seen that the use of statistical criteria is not a straightforward and simple matter. Whenever more than one statistical criterion is to be applied for the evaluation of the usefulness of a periodical, special attention is necessary in weighing the true influence of each criterion on the result of the evaluation. The proposal of the Netherlands Patent Office is a valuable contribution to the evaluation of periodicals, as it could facilitate further studies in this direction. Since the minimum list should become a dynamic instrument for searching purposes and should therefore be regularly reviewed and updated by additions, exchanges or deletions of periodicals, once the minimum list has been established, some kind of statistical evaluation of the periodicals in that list would be of great utility.

Proposal of the German Patent Office

18. It is recalled that, at the third session of the Interim Committee, the representative of the German Patent Office did not support the proposal of the Netherlands Patent Office, mainly because he felt agreement on objective criteria was difficult in view of the differences in search techniques with respect to non-patent literature in the various Offices. In his view the results of the survey so far undertaken by the International Bureau would seem to permit the establishing of a minimum list of periodicals. He indicated two possible approaches and declared his readiness to present his proposal in writing in order to facilitate a detailed study (see also document PCT/TCO/III/13, paragraph 40). This proposal is reproduced as Annex III to this document.

19. The proposal of the German Patent Office contains a list of 96 periodicals selected by three or more prospective Authorities in their replies to Request No. 1 (see paragraphs 5 and 7 above) and which in the experience of the examiners of that Office are considered to be the most useful in the sense that they are most likely to contain disclosures not available in the patent literature. In addition, this proposal suggests the addition of a reasonable number of periodicals in the Japanese and Russian languages, to be indicated by the Japanese and the Soviet Union Patent Offices respectively. In doing so, it suggests applying Rule 34.1(e) of the PCT by analogy, so that International Searching Authorities should only be obliged to include such literature in their search files to the extent that English-language abstracts of the articles are available. The INSPEC/PAL full-text copy service is recommended for part of this literature. Finally, this proposal supports the view expressed by Japan, that only abstracting journals recognized as being essential to searching purposes, such as "Chemical Abstracts," should be included in the minimum list.

Proposal of the Soviet Union Patent Office

20. The Soviet Union Patent Office submitted a detailed list of periodicals preferred for inclusion in the minimum documentation "first list." The detailed list (including an explanatory note) is attached as Annex IV to this document and includes:

- (i) 96 periodicals indicated by three or more prospective Authorities in two separate surveys (see document PCT/TCO/SS/I/3, Annex, and PCT/TCO/III/4, Annex II);
- (ii) 38 periodicals published in two or more languages at least one of which is English, French or German (see document PCT/TCO/III/4, Annex II);
- (iii) 10 periodicals indicated once by six or more prospective Authorities (see document PCT/TCO/SS/I/3, Annex);
- (iv) one abstracting journal ("Chemical Abstracts").

21. The list submitted by the Soviet Union Patent Office takes into consideration several of the proposals formulated by various Patent Offices at the third session of the Interim Committee, namely:

- (a) No abstracting journals, except "Chemical Abstracts," were recognized as being essential for search purposes.
- (b) All periodicals indicated by three or more prospective Authorities were included in the list.

- (c) Some of the periodicals indicated by at least two prospective Authorities were also included.

22. Furthermore, in compiling the list, the Soviet Union Patent Office was of the opinion that an earlier indication of a certain periodical by six or more prospective Authorities constituted an objective criterion for inclusion in the lists; the same reasoning was also applied to periodicals which had an edition in two or more languages.

Proposal of the International Patent Institute (IIB)

23. The IIB, while supporting the proposal of the German Patent Office to retain the 96 periodicals indicated by at least three prospective Authorities (see paragraph 19 above), proposed at the third session of the Interim Committee to include also the periodicals in the electrical and physics field indicated by only two prospective Authorities (total 22). This would bring the distribution of the periodicals over the three technical fields (see paragraph 6 above) more into line with IIB experience, which showed a frequency of citation of 38% in the chemical field, of 58% in the electrical and physics field, and of 12% in the mechanical field.

24. The list of 22 additional periodicals proposed by the IIB is given in Annex V to this document. In comparison with the proposed list of the Soviet Union Patent Office, the IIB list includes additionally only 14 periodicals and two abstracting journals ("Nuclear Science Abstracts" and "Electrical and Electronics Abstracts").

25. By combining the IIB proposal with the proposals of the German Patent Office and the Soviet Union Patent Office, several alternative lists of periodicals can be established. These are, in ascending number of periodicals on the list (excluding abstracting journals):

- (i) $96 + 20 = 116$ (the IIB proposal formulated at the third session of the Interim Committee)
- (ii) $116 + (x + y)$ (the IIB proposal combined with the proposal of the German Patent Office, $(x + y)$ being the Japanese and Russian periodicals, respectively, which are still to be included)
- (iii) $144 + 14 = 158$ (the IIB proposal combined with the proposal of the Soviet Union Patent Office in paragraph 20 above; this would already take into consideration part of the German Patent Office proposal in paragraph 19, as far as Russian periodicals are concerned)
- (iv) $158 + (x)$ (the combined IIB, Soviet Union Patent Office and German Patent Office proposals, (x) being the number of Japanese periodicals still to be included)

Proposals of the Japanese Patent Office

26. With respect to the proposals of the Japanese Patent Office at the third session of the Interim Committee (a more detailed breakdown of technical fields, exclusion of secondary publications but with a few exceptions, and better geographical distribution) and in the light of information received by the International Bureau in the meantime, the following paragraphs aim at finding satisfactory answers to questions raised by the said proposals.

27. The Japanese Patent Office suggested that a more detailed breakdown of periodicals be established in order to try to avoid having similar periodicals in certain technical areas, while other areas were not covered at all.

28. The International Bureau has established a catchword index for the 594 periodicals listed in the "first list" (see document PCT/TCO/SS/I/3, Annex). A similar index has now been elaborated for the list of 158 periodicals resulting from the combined proposals of the German Patent Office and the Soviet Union Patent Office, and the IIB (paragraph 25(iv)). This index is given in Annex VI to this document.

29. Annex VI shows that this list of 158 periodicals contains 34 titles of sub-fields in the chemical field, 42 in the electrical and physics field, and 23 in the mechanical field. In each field there are of course always periodicals which are so general in their coverage that they cannot properly be assigned to one or more specific fields. Additionally, there are the three abstracting journals: "Chemical Abstracts" (which seems to be generally recognized as indispensable), "Nuclear Science Abstracts," and "Electrical and Electronics Abstracts," which are also very broad in their coverage.

30. It would be interesting to have each prospective Authority evaluate those of the periodicals listed which are in the language of its country as to the specific fields covered according to the experience of its examiners. After having this evaluation, a check could be made as to which additional fields should still be covered in the minimum list.

31. The Japanese Patent Office further expressed the wish for better geographical distribution and mentioned in this connection that periodicals published in countries such as France and the United Kingdom did not appear to be adequately represented in the list of 108 periodicals analyzed in tables IV and V of document PCT/TCO/III/4. It is to be noted that the PCT minimum documentation according to Rule 34 does not contain any principle of geographical distribution, but considers five languages as the criterion for deciding whether to include or not.

32. A detailed analysis of the 158 periodicals now listed in Annexes II, IV and V has established that, except for Japanese periodicals, the five languages used in the PCT minimum documentation are represented, either independently or in combination with one of the others, by at least 14 periodicals in each language. As proposed by the German Patent Office, a certain number of Japanese-language periodicals should still be added to the list of 96 periodicals that it submitted, the Russian language periodicals having already been listed by the Soviet Union Patent Office. It would therefore seem that, with the inclusion of more Japanese periodicals (there are only two in the list of 158), the question of geographical distribution could be settled in a satisfactory way.

33. As far as abstracting journals are concerned, the proposal of the Japanese Patent Office, that abstracting journals be excluded as far as possible, from the minimum list has been supported by the German Patent Office and the Soviet Union Patent Office.

Proposal of the Austrian Patent Office

34. At the third session of the Interim Committee, the representative of the Austrian Patent Office stated that any further study of non-patent literature should also take into consideration the INSPEC/PAL service. The INSPEC/PAL full-text copy service was started in 1974 with the participation of Brazil, Germany (Federal Republic of), Japan and the United States of America. The proposal of the Austrian Patent Office therefore acquired even greater pertinence and immediate interest in connection with the PCT minimum documentation (see also the progress report contained in document PCT/TCO/IV/4).

Criteria applicable for selection of publications

35. In paragraphs 15 to 34 above, the following five of the seven approaches listed in paragraph 10 have already been examined in the analysis of specific proposals:

- (i) Statistical study (paragraphs 14 to 17)
- (ii) Technical field coverage (paragraphs 23 to 30)
- (iii) Languages (paragraphs 19 to 22)
- (v) Geographical distribution (paragraphs 31 and 32)
- (vi) Abstracting services (paragraph 33)

The remaining two approaches, (iv) and (vii), i.e., minimum number of prospective Authorities in favor, and trade journals, are dealt with in the following two paragraphs.

36. The number of prospective Authorities in favor of certain publications was deemed by the Soviet Union Patent Office to be an objective criterion for determining the importance of periodicals. There seems to be general agreement that periodicals indicated by at least three prospective Authorities should be included in the minimum documentation. In addition, several proposals have been made for

including all or some of the periodicals indicated by at least two prospective Authorities. The proposals were as follows:

- (i) only those periodicals in the electrical and physics field (IIB);
- (ii) only those periodicals in two or more languages at least one of which is English, French or German (Soviet Union);
- (iii) preferential consideration for periodicals cited by at least two prospective Authorities, but the total number should not go much beyond 100 periodicals (United States of America);
- (iv) the 75 periodicals indicated by at least two prospective Authorities (United Kingdom).

A decision by the Interim Committee seems to be needed in respect of the periodicals indicated by at least two prospective Authorities, in view of the differences in the proposals.

37. The representative of AIPPI proposed that due consideration should be given to publications of a less scientific nature, such as trade journals. The International Bureau has so far not received any more precise indications as to the exact meaning of trade publications, or trade journals, or on how it should identify these publications. In the periodicals listed in the previous document on minimum documentation non-patent literature (PCT/TCO/III/4), some 25 periodicals published by industrial organizations which are also trade organizations were included. Would these periodicals qualify as trade journals? It seems that further clarification is needed before a more detailed study could be undertaken.

Number of publications to be included

38. Reviewing all proposals and indications so far discussed, it would seem that a minimum list containing about 200 rather than 100 publications would be the one that would be capable of satisfying the different wishes expressed by the members of the Interim Committee. A reduction of this number of publications could be achieved, of course, if it was possible to eliminate duplicate periodicals. However, before doing so, a decision should be made on establishing the provisional minimum list, on the basis of the latest indications received. To this provisional minimum list, a limited number of Japanese publications could then be added (e.g., the periodicals listed in Annexes IV and V to this document).

39. The Interim Committee is invited to examine, and comment on, this progress report, in particular with respect to the different criteria enumerated in paragraph 10, and elaborated in more detail in later paragraphs, and in Annexes I to VII.

40. The Interim Committee is invited to comment on the question of the number of publications to be included, as summarized in paragraph 38.

41. The Interim Committee is invited to comment on the question of the cut-off date for backlog publications, as reported on in paragraph 12.

42. The Interim Committee is invited to make recommendations on the orientation of further work with a view to establishing at least a "provisional first list" of non-patent literature for the PCT minimum documentation.

List 1	List of Periodicals to be considered for <u>non</u> inclusion	Selection criteria				
		1	2	3	4	5
2.	ASHRAE - Journal. (22).	22		C	III	3
3.	ASIS - Journal. (2).	2		A	II	2
6.	ATZ . Automobiltechnische Zeitschrift. (20).	20		C	II	3
9.	Acta Chemica Scandinavica. (9).	9		A	I	5
13.	Aerosol Age. (6).	6		C	III	5
15.	Agricultural Chemicals. (4).	4		A	II	3
16.	Agricultural Engineering. (14).	14		B	II	3
19.	Aircraft Engineering. (22).	22		D	II	1
21.	American Aviation. (1).	1		A	II	1
31.	American Leather Chemists Association, Journal. (4).	4		A	III	4
33.	American Oil Chemists' Society, Journal. (25).	25		B	III	4
35.	American Society for Metals, Transactions. (0).	0		S	I	2
40.	Annales de Chimie. (2).	2		S	I	5
41.	Annales Françaises de Chronométrie et Micromécanique. (10).	10		E	IV	2
42.	Annales des Mines de Belgique. (13).	13	2	C	II	1
43.	Annales de Télécommunications. (25).	25		E	I	2
49.	Architecture d'Aujourd'hui. (15).	15		A	II	4
52.	Archiv für Elektrotechnik. (4).	4		A	II	2
54.	Arzneimittelforschung. (2).	2	27	S	II	4
55.	ASEA Journal. (25).	25		E	II	2
57.	Association for Computing Machinery, Journal. (14).	14		C	II	4
58.	Astronautics and Aeronautics. (18).	18		B	II	1
60.	Autocar. (4).	4		A	II	3
64.	Automation and Remote Control. (0).	0		A	II	2
66.	Automobile Engineer. (15).	15		B	II	3
67.	Automotive Industries. (19).	19		C	II	3
77.	Berichte der Deutschen Bunsengesellschaft für Physikalische Chemie.(7)	7	3	S	I	4
79.	Beton und Stahlbetonbau. (28).	28		C	II	4
82.	Biochemistry. (3).	3		A	IV	5
84.	Blast furnace and Steel Plant. (24).	24		A	I	2
86.	Brennstoffchemie. (6).	6		A	III	1
89.	British Nuclear Energy Society, Journal. (13).	13		B	II	1
91.	(British Technology Index)			S		
101.	Chemical and Engineering News.(27).	27		S	I	4
107.	Chemical Reviews. (13).	13	9	S	I	5
115.	Chemische Berichte.(26).	26	24	S	I	5
116.	Chemistry in Britain.(9).	9		S	I	5
118.	Chimia. (13).	13		S	I	5
120.	CIBA - Review. (5).	5		B	III	4
122.	Coal Age. (9).	9		B	II	1
123.	Colliery Guardian. (6).	6		B	II	1
124.	Combustion.(25).	25		C	III	1
132.	Corrosion. (17).	17		C	I	2
134.	Datamation.(28).	28		C	II	4
135.	Data Systems. (0).	0		A		
136.	Deutsche Agrartechnik.(29).	29	6	B	II	3
138.	DK - Mitteilungen. (2).	2		NON TECHNICAL		
145.	Elektrische Bahnen.(26).	26		D	III	3
148.	Electronic Applications, Components and Materials.(17).	17		E	I	2
156.	Elektronische Datenverarbeitung.(26).	26		C	II	4
157.	Elektronische Rechenanlagen.(29):	29	6	E	II	4
160.	Endeavour.(5).	5		B	II	
163.	Energie Nucléaire.(22).	22		C	II	1
166.	Engineering and Mining Journal. (15).	15		B	II	1
169.	Erdöl und Kohle, Erdgas Petrochemie. (26).	26		A	II	1
170.	Ericsson Review. (13).	13	7	E	III	3
171.	Ericsson Technics. (7).	7		E	III	3
172.	Escher-Wyss News. (Escher-Wyss Mitteilungen). (3).	3		C	III	3
181.	Fonderie. (15).	15		B	IV	3
188.	Foundry Trade Journal. (23).	23		D	IV	3
195.	Gasfach und Wasserfach Gas-Wasser-Abwasser. (5).	5		A	III	1
196.	General Radio Experimenter. (10).	10		C	II	
199.	Giessereiforschung. (3).	3		B	IV	3
200.	Glaser's Annalen. (21).	21		D	IV	3
202.	Glass Industry. (10).	10		B	III	4
205.	Glückauf. (20).	20		A	II	1
206.	Gummibereifung. (29).	29		C	IV	1
208.	Helvetica Chimica Acta. (11).	11	27	S	I	5
210.	Hovering Craft and Hydrofoil. (10).	10		B	II	1
212.	Hydraulic and Pneumatic Power. (19).	19	2	C	III	4
213.	Hydrocarbon Processing and Petroleum Refiner. (28).	28		B	II	1
224.	IEEE Transactions on Automatic Control. (25).	25		B	S	2
227.	IEEE Transactions on Broadcasting. (18).	18		E	S	2
232.	IEEE Transactions on Electrical Insulation. (13).	13		D	S	4
233.	IEEE Transactions on Electromagnetic Compatibility. (13).	13		D	S	2
244.	IEEE Transactions on Parts, Materials and Packaging. (16).	16		D	S	2
246.	IEEE Transactions on Reliability. (12).	12		C	S	2
249.	IEEE Transactions on Vehicular Technology Communication. (24).	24		E	S	2
250.	Illuminating Engineering. (14).	14		B	II	2
251.	INCO-Nickel. (0).	0		S	I	2
252.	Industrial and Engineering Chemistry:Fundamentals. (7).	7	18	S	I	4
253.	Industrial and Engineering Chemistry:Process Design and Development. (14).	14		(C,S	I	4
255.	Industrial Diamond Review. (11).	11		A	II	3
258.	Industrie Chimique - Le Phosphate.			S		

List 1 - continued

	Selection criteria				
	1	2	3	4	5
261. Information Storage and Retrieval. (2)	4	NON	TECHNICAL		
263. Institute of Brewing, Journal. (8).	8	A	II		3
264. Institute of Fuel, Journal. (9).	9	A	III		1
265. Institute of Metals, Journal. (0).	0	S	I		2
266. Institute of Petroleum, Journal. (5).	5	A	II		1
269. Instrumentation. (0).	0	A	II		2
274. International Journal of Control. (24).	24	B	II		2
276. International Journal of Powder Metallurgy. (0).	0	S	I		2
277. International Nickel Magazine. (0).	0	S	I		2
278. International Sugar Journal. (5).	5	A	II		3
280. Iron Age. (0).	0	6	S	I	2
283. Iron and Steel Institute, Journal. (0).	0	7	S	I	2
290. Journal of Analytical Chemistry USSR. (0).	0		S	I	
297. Journal of Chemical Documentation. (7).	7	NON	TECHNICAL		
298. Journal of Chemical Physics. (8).	8	2	S	I	4
301. Journal of Documentation. (0).	0	NON	TECHNICAL		
302. Journal of Economic Entomology. (26).	26	A	II		3
305. Journal of Heterocyclic Chemistry. (0).	0	6	S	I	5
307. Journal of the Less Common Metals. (0).	0		S	I	2
308. Journal of Medicinal Chemistry. (0).	0		S	II	4
309. Journal of Metals. (29).	29	8	S	I	2
310. Journal of Nuclear Energy. (10).	10		B	II	1
311. Journal of Organic Chemistry. (29).	29		S	I	5
315. Journal of Pharmaceutical Sciences. (11).	11	12	S	II	4
316. Journal of Photographic Science. (16).	16		D	III	2
318. Journal of Physics. Part A. General. (11).	11		A	I	2
326. Justus Liebigs Annalen der Chemie. (6).	6		S	I	5
327. Kautschuk & Gummi. (21).	21		A	I	4
328. Kernenergie. (25).	25		C	II	1
329. Kolloid Zeitschrift. (7).	7		A	I	4
333. Kunststoff Rundschau. (29).	29		E	I	4
334. Kybernetik. (29).	29		D	II	2
335. Landis und Gyr Mitteilungen. (7).	7		E	I	4
337. Landtechnik. (24).	24		C	II	3
338. Leder. (9).	9		B	III	4
340. Light and Lighting. (15).	15		C	II	2
341. Linde Reports of Science & Technology. (4).	4		A	I	
342. Linotype News. (0).	0		A	III	4
343. Lubrication. (0).	0		A	III	4
344. Luftfahrttechnik - Raumfahrttechnik. (23).	23		C	II	1
348. Machinery. (14).	14		C	II	3
352. Manufacturing Chemist and Aerosol News. (11).	11		B	II	4
353. Marconi Instrumentation. (18).	18	2	C	II	
354. Marconi Review. (19).	19	6	C	I	2
356. Marine Engineering / Log. (7).	7		B	II	2
358. Materials Protection. (10).	10		A	III	4
360. Mechanical Handling. (20).	20		D	IV	5
365. Metal Finishing. (25).	25		C	I	2
369. Metallurgia. (0).	0		S	I	2
370. Metallurgical Society of AIME - Transactions. (16).	16		S	I	2
375. Microtecnic. (27).	27		E	II	4
379. Mining Magazine. (20).	20		C	II	1
380. Mining Journal. (4).	4		A	II	1
381. Modern Castings. (24).	24		C	III	3
383. Modern Packaging. (6).	6		B	III	5
386. Monatshefte für Chemie. (14).	14	7	S	I	5
387. Motor Ship. (24).	24		B	II	2
388. Motorrad. (5).	5		A	II	3
390. Nachrichten für Dokumentation. (10).	10	NON	TECHNICAL		
393. Naturwissenschaften. (1).	1		A	I	2
394. Naval Engineering Journal. (18).	18		C	II	2
395. Neue Verpackung. (5).	5		A	III	5
396. Neuerer. (0).	0		A		
401. Nuclear Fusion. (17).	17		C	II	1
414. Petro-Chemical Engineer. (3).	3		A	II	1
415. Pharmazie. (6).	6		S	II	4
418. Philips Telecommunications Review. (17).	17		E	I	2
421. Photographic Science and Engineering. (28).	28		C	II	2
426. Physics and Chemistry of Glasses. (14).	14		C	III	4
430. Plastiques Modernes et Elastomères. (16).	16		C	II	4
431. Plastverarbeiter. (26).	26	7	C	II	4
432. Plating. (10).	10		A	III	4
435. Polygraph. (22).	22		B	III	4
440. Powder Metallurgy. (0).	0		S	I	2
451. Radio Science. (0).	0		A	I	2
455. Railway Track and Structures. (0).	0		A	S,II	
457. Recueil des Travaux Chimiques des Pays-Bas. (12).	12	11	S	I	5
463. Revue Générale des Chemins de Fer. (26).	26		B	III	3
465. Revue de l'Institut Français du Pétrole. (4).	4		A	II	1

List 1 - continued

	Selection criteria				
	1	2	3	4	5
469. Rubber Chemistry and Technology. (19).	19		B	III	1
470. Rubber Developments. (6).	6		A	III	1
471. Rubber Journal. (25).	25		B	III	1
474. SAE Journal. (25).	25		C	II	3
475. SAE Transactions. (0).	0		S	I	3
476. SEL Nachrichten. (0).	0	15	S	III	3
478. SPE - Journal. (16).	16		B	II	4
480. Schweissen und Schneiden. (15).	15		A	III	3
481. Schweißtechnik. (9).	9		C	III	3
482. Schweizer Aluminium Rundschau. (24).	24		C	I	3
487. Sheet Metal Industries. (29).	29		D	II	3
489. Shipping World and Shipbuilder. (15).	15		C	II	2
493. Soldat und Technik. (21).	21		C	IV	3
496. Soviet Journal of Atomic Energy. (10).	10		B	II	1
503. Spinner, Weber, Textilveredlung. (27).	27		B	II	3
508. Steroids. (4).	4	6	S	II	4
511. Technische Mitteilungen Krupp. Forschungsberichte. (9).	9	2	D	I	3
512. Technische Mitteilungen Krupp. Werksberichte. (20).	20	2	E	I	3
519. Tenside. (28).	28		S	III	4
520. Tetrahedron. (18).	18	11	S	I	5
523. Textile Institute and Industry. (4)	4		A	II	3
524. Textile Institute Journal. (8).	8		A	II	3
525. Textile Manufacturer. (15).	15		C	II	3
526. Textile Month. (26).	26		B	II	3
532. Tool and Manufacturing Engineer. (19).	19		C	II	3
534. United States Naval Institute, Proceedings. (1)	1		A	IV	3
539. Water Pollution Control Federation, Journal. (8).	8		A	IV	1
540. Welding Engineer. (12).	12		E	III	3
541. Welding Journal. (25).	25		E	III	3
542. Welding and Metal Fabrication. (25).	25		C	III	3
545. Werkstoffe und Korrosion. (2).	2		A	III	4
546. Westinghouse Engineer. (19).	19		D	II	2
547. Wire and Wire Products. (13).	13		B	II	3
549. Wirkerei und Strickereitechnik. (0).	0		A	II	
552. World Fishing. (6).	6		B	S	2
555. Zeitschrift für Flugwissenschaften. (2).	2		A	II	1
556. Zeitschrift für Metallkunde. (27)	27		B	I	
561. Zement, Kalk, Gips. (13).	13		B	III	4
579. Cobalt. (0).	0		S	I	2
580. Compressed Air. (22).	22		C	III	4
584. Gas World and Gas & Coke. (12).	12		A	III	1
588. Metalloberfläche. (2).	2		A	I	2
589. Physica. (22).	22		A	I	2

[Annexe II suit/Annex II follows]

List 2 -----	List of Periodicals to be Considered for Inclusion	Selection criteria				
		1	2	3	4	
	Advances in Instrumentation.(249).	249		E	II	4
	L'Aeronautique et l'astronautique.(43).	43		E	II	1
	Acier-Stahl-Steel. (40).	40		C	II	4
	Application information. (65).	65	2	E	I	4
	Applied spectroscopy. (44).	44		B	II	4
	Atomkernenergie. (37).	37	2	D	II	1
	Automatie. (37)	37		D	II	2
	Automotive Engineering. (35).	35		C	II	3
	B.B.C. Nachrichten. (63).	63	3	E	I	4
	B.W.K. Brennstoff, Wärme, Kraft. (47).	47		D	II	3
	Bâtir. (68).	68		B	II	4
	Bedrijf en Techniek A. (algemeen). (48).	48		D	I	3
	Bedrijf en Techniek EL-EL. (Elektrotechniek, Electronica), (61).	61		D	I	
	Bouw. (89).	89		C	II	4
	Bulletin de l'Institut International de froid. (58).	58		C	IV	3
	Cables et Transmission. (42).	42	9	E	I	2
	Cahiers du centre scientifique et technique de bâtiments. (175).	175	21	E	II	4
	Canadian Journal of Physics. (78).	78		C	I	2
	Cement. (39).	39		C	II	4
	Chemical Instrumentation; A journal of experimental techniques in chemistry and biochemistry. (34).	34		E	I	4
	Civil Engineering and public works review. (London). (102).	102		E	II	3
	Computer design. (98).	98	10	E	II	4
	Communications of the Association for Computing Machinery. (30).	30	8	C	II	4
	Constructeur. (37).	37		C	I	3
	Deutsche Bauzeitschrift. D.B.Z. (45).	45		C	II	4
	Electrical design news. (311).	311	47	E	I	2
	Electricité électronique moderne. Edition Rouge. (industriel).(42).	42		E	I	
	Electron. (34).	34		B	I	2
	Electronics and communications in Japan. (229).	229	8	E	I	2
	Electronics Express. (125).	125		E	I	2
	Electronics Letters. (410).	410	39	E	I	2
	Electronique et microelectronique industrielles. (154).	154	29	E	I	2
	Elektrotechnik. (102).	102	10	D	I	4
	Energie fluide.(47).	47		C	III	4
	Engineer. (127).	127		B	I	3
	Engineers Digest. (46).	46	5	E	I	3
	Fernmelde Praxis. (60).	60	3	D	III	3
	G.I.T. Fachzeitschrift für das Laboratorium. (169).	169		E	II	4
	Health physics. (98).	98		E	II	1
	I.E.E.E. Conference Papers. (42).	42		D	S	
	I.E.E.E. International solid state circuits conference. (55).	55	35	D	S	
	I.S.A. Transactions. (58).	58	4	D	II	4
	Ingenieur. (124).	124	14	B	I	3
	Ingenieursblad. (32).	32		C	I	3
	Inorganic chemistry. (77).	77		B	I	4
	Instruments and experimental techniques. (465).	465	14	E	II	4
	Inter électronique. (84).	84	8	D	I	2
	International construction. (77).	77		D	II	3
	International Journal of Mass Spectrometry and Ion Physics. (52).	52		D	I	2
	Isotopes and radiation technology. (46).	46	3	B	II	1
	J.E.E.: Japan Electronic Engineering. (85).	85	7	E	I	2
	JETP Letters. (103).	103		E	I	2
	Journal de l'équipement électrique et électronique. (33)	33		B	I	4
	Journal of nuclear medicine. (48).	48	9	E	II	1
	Journal of the Society of dyers and colourists. (52).	52		D	III	4
	Kerntechnik + Atompraxis. (93)	93		D	II	1
	Knitting Times. (38)	38		B	II	3
	Landbouwmecanisatie. (40).	40		B	II	3
	Materials research bulletin. (47).	47		C	I	4
	Measurement and control. (48).	48		D	II	2
	Metaalbewerking. (34).	34		B	II	3
	Microbiology abstracts. A. Industrial microbiology. (223).	223		S	IV	
	Microelectronis. (115).	115	11	E	III	4
	Misset's Bouwwereld. (115)	115		B	II	4
	NEC Research and development. (56).	56	7	E	I	4
	Nature, (Physical Science). (56).	56	25	A	I	2
	New Scientist and Science Journal. (76).	76	2	C	II	
	Offshore.(33).	33		C	II	1
	Peintures, Pigments, Vernis. (35).	35		B	III	4
	Physics express. (237).	237		E	I	2
	Plasma Physics. (54).	54		D	I	2
	Polytechnisch Tijdschrift: Bouwkunde, wegen- en waterbouw. (101).	101		E	II	4
	Polytechnisch Tijdschrift: Ed. E. Elektrotechniek- Electronica. (132).	132		E	I	4
	Polytechnisch Tijdschrift: Werktuigbouw. (74).	74	15	E	I	3
	Proceedings of the Mat. Electr. Conference. (211).	211		E	I	2
	Product Licensing index. (177).	177	8	E	I	3
	R.C.A. Technical Notes. (53).	53		E	I	4
	Radio mentor electronic. (181).	181	39	C	I	2
	Regelungstechnische Praxis und Prozess-Rechentchnik. (33).	33	4	D	II	2
	Review of the Electrical communication laboratory. (123).	123	17	E	I	2
	Revue de Métallurgie. (49).	49		C	I	2

List 2 - continued

	<u>Selection criteria</u>				5
	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	
Revue Pratique de froid et de conditionement de l'air. (35).	35		C	IV	3
Revue technique de la Compagnie Française Thomson Houston, Electric. (33)	33		E	I	2
Riechstoffe, Aromen, Körperplegemittel. (41).	41		C	S	4
Roads and road construction. (57).	57		C	II	3
Russian chemical reviews. (51).	51		D	I	5
S.T.Z. Schweizerische Technische Zeitschrift. (56).	56	2	E	I	3
Siemens Bauteile Informationen. (68).	68		E	I	2
Solid state communications, (214).	214		E	III	2
Soviet automatic control. (48)	48		E	II	2
Soviet Journal of instrumentation and control. (501)	501	6	E	I	4
Soviet Physics JETP. (233).	233	6	E	I	2
Steuerungstechnik. (74).	74		E	II	2
Strain. (37)	37		E	S	
Stijl. (43).	43		D	IV	5
Soap, Perfumery and cosmetics. (31).	31		C	III	4
Technical Digest. (113).	113		E	I	4
Techniques et Architecture. (54).	54		C	II	4
Thin Solid Films. An international Journal of their science and Technology. (42)	42	9	D	III	4
Toute l'Electronique. (154).	154	14	E	I	2
Transactions of the Institute of Marine Engineers. (36).	36		D	II	2
Transactions and Journal of the British Ceramic Society. (35).	35		E	III	4
V.D.E. Fachberichte. (40).	40	4	E	I	4
V.D.I. Nachrichten, (141).	141	2	B	I	3
Voedingsmiddelentechnology. (49).	49		C	II	3
Zeitschrift für angewandte mathematik und Physik. (33).	33		C	I	2

/Annexe III suit/Annex III follows/

Zweibrückenstraße 12
Fernruf (08 11) 2 19 51 Fernschreiber 05-235 34
Fernrufdurchwahl über (08 11) 21 95 Hausruf 3972
Zentr.-Abt. 9330/10 H5 Bln. Bd. II

48/73
Bitte in der Antwort das vorstehende Geschäftszeichen angeben
9330/10 (11) - 3.1.3. Bd XIII 7

Dr. Arpad B o g s c h
Director General
World Intellectual
Property Organization (WIPO)
32, Chemin des Colombettes

CH - 1211 G e n e v e 20

(Schweiz)

Re: Non-patent literature in the minimum documentation
according to Rule 34.1 (b) (iii) of the PCT

Ref.: Document PCT/TCO/II/13 Item 40

Dear Dr. Bogsch,

The proposal concerning the amount of non-patent literature within the minimum documentation as submitted by the German delegation at the October session of the Interim Committee for Technical Cooperation in Tokyo is explained and completed as follows:

Based on the WIPO survey of October 1972, the members of the Standing Subcommittee had listed the titles of periodicals recognized as being important, and from this list (document PCT/TCO/III/4 annex II) I now selected the titles indicated by three or more members. These are, without taking into account abstracting journals in a given technical field, such as "Chemical Abstracts", the following 96 periodicals:

- 6 ATZ (Automobiltechnische Zeitschrift)
- 13 Aerosol Report, Heidelberg
- 17 Agricultural Machinery Journal
- 23 Journal of the American Ceramic Society
- 24 American Chemical Journal
- 28 American Dyestuff Reporter
- 36 Analytical Chemistry

- 37 Angewandte Chemie
- 46 Applied Optics
- 47 Applied Physics Letters
- 53 Archiv für technisches Messen
- 68 Aviation Week and Space Technology
- 75 Bell Laboratories Record
- 76 Bell System Technical Journal
- 101 Chemical and Engineering News
- 103 Chemical Engineering
- 107 Chemical Reviews
- 108 Journal of the Chemical Society (London)
- * 113 Chemie-Ingenieur-Technik
- 115 Chemische Berichte
- 117 Chemistry and Industry
- 121 Civil Engineering
- 125 Comptes rendus Hebdomadaires Séances Académie Sciences, Séries A-B-C
- 129 Control
- 131 Control Engineering
- 141 ETZ (Elektronische Zeitschrift)
- 143 Electrical Communication
- 147 Journal of the Electrochemical Society
- 149 Electronic Design
- 150 Electronic Engineering
- 152 Electronics
- 158 Elektrotechnik und Maschinenbau
- 165 Engineering
- 186 Fördern und Heben
- 193 Funkschau
- 198 Giesserei
- 204 Glastechnische Berichte
- 207 Heating Piping and Air Conditioning
- 214 IBM - Journal of Research and Development
- 215 IBM - Technical Disclosure Bulletin
- 217 IEEE - Journal of Quantum Electronics
- 219 Proceedings of the IEEE
- * 114 Chemiker Zeitung

223 Audio and Electroacoustics) IEEE - Transactions on:	
224 Automatic Control		
226 Broadcast and Television Receivers		
234 Electron Devices		
235 Computers		
240 Instrumentation and Measurement		
242 Microwave Theory and Techniques		
245 Power Apparatus and Systems		
252 Fundamentals) Industrial and Engineering Chemistry
253 Process Design and Development		
254 Product Research and Development		
281 Iron and Steel		
286 Japanese Journal of Applied Physics (Oyo Butsuri)		
289 Journal of Agricultural and Food Chemistry		
291 Journal of Applied Chemistry		
293 Journal of Applied Physics		
294 Journal of Applied Polymer Science		
299 Journal of Chromatography		
309 Journal of Metals		
311 Journal of Organic Chemistry		
322 Journal of Physics Part E - Journal of Scientific Instruments		
324 Journal of Polymer, Science		
332 Kunststoffe		
346 Machine Design		
349 Machinery and Production Engineering		
362 Melliland Textilberichte		
365 Metal Finishing		
373 Metalworking Production		
383 Modern Packaging		
384 Modern Plastics		
389 Nachrichtentechnische Zeitschrift		
400 Nuclear Engineering		
408 Journal of the Optical Society of America		
417 Philipps Technical Review		
431 Plastverarbeiter		
434 Playthings		

441 Power
443 Power Farming
447 RCA Review
458 Regelungstechnik und Prozess Datenverarbeitung
460 Review of Scientific Instruments
485 Scientific American
490 Siemens Review (Siemens Zeitschrift)
492 Journal of the Society of Dyers and Colourists
494 Solid State Electronics
495 Solid State Technology
506 Stahl und Eisen
508 Steroids
509 TAPPI
520 Tetrahedron
521 Tetrahedron Letters
525 Textile Manufacturer
527 Textile Research Journal

They are subdivided as follows:

- a) according to technical fields
- | | |
|--------------------------------|-----------|
| chemistry | 39 titles |
| electrical engineering/physics | 41 titles |
| mechanics | 16 titles |
- b) according to languages
- | | |
|-------------------------|-----------|
| English | 71 titles |
| French | 1 title |
| German | 16 titles |
| English, French, German | 5 titles |
| English, German | 2 titles |
| English, Japanese | 1 title |

In view of making available to the International Searching Authorities that do not have Japanese or Russian as an official language, non-patent literature in the said languages as well, I suggest to add to the above 96 periodicals a reasonable number of titles in the Japanese and Russian languages which should be indicated by the Japanese and the Russian Patent Offices respectively. In doing so, Rule 34.1 (e) of the PCT should be applied by analogy, i.e. the International Searching Authorities may only be made to include this literature in the search files as far as English-language abstracts are generally available. For this purpose, the full text service as offered by INSPEC could be used, particularly since its list of periodicals already includes part of the titles which the Japanese and the Soviet Patent Offices additionally considered as important for their respective languages.

A study recently carried out showed that at the German Patent Office the amount of non-patent literature within the publications ascertained in the course of isolated search has further decreased, and that from an average of 2,1 pc in 1972 to an average of 1,8 pc in 1973. I therefore believe that with an "Initial Index" including a few more than 100 periodicals a size is reached which is quite proportionate to the importance of non-patent literature within the minimum documentation.

Sincerely yours,


Haertel

[Annexe IV suite/Annex IV follows]

EXPLANATORY NOTE CONCERNING THE MINIMUM
LIST OF NON-PATENT LITERATURE

received from the State Committee for Inventions and Discoveries
of the USSR Council of Ministers

During the third session of the PCT Interim Committee for Technical Cooperation, held in Tokyo from October 23 to 27, 1973, the representative of the Soviet Union expressed his preferences for an initial list of approximately 136 periodicals selected from those indicated twice by three or more prospective authorities (see document PCT/TCO/SS/I/3 (Annex) and document PCT/TCO/III/4, Annex II) and selected from the ones published in two or more languages, at least one of which is English, French or German.

The detailed list proposed by the Soviet representative is annexed. In addition to 134 periodicals selected under mentioned criteria all periodicals are indicated including some taken from the "first list" of non-patent literature established by WIPO (document PCT/TCO/III/4, Annex II) and indicated by six or more authorities. It seemed very advantageous to include these periodicals because regarding the establishment of objective criteria for the selection of periodicals for the PCT minimum documentation, the importance of every periodical is determined by the number of the prospective International Searching Authorities that indicated this periodical.

In the light of that proposal the new list totalling 145 periodicals is distributed among the three main technical fields as follows: 65 in the chemical field, 55 in the electrical and physics field and 25 in the mechanical field.

The structure of the present list is as follows:

- all periodicals are arranged alphabetically inside each field
- each entry is concerned with one periodical and contains the title of the periodical, its language or languages of editions in which periodicals exist, serial number of the same periodical in the former lists (document PCT/TCO/SS/I/3 (Annex) and document PCT/TCO/III/4, Annex II)
- A cross (+) indicates those of the eight prospective International Searching Authorities who indicated the periodical as belonging to that group selected from all the world literature that is in the experience of their examiners, the most useful in the sense that it is most likely to contain disclosures not available in the patent literature.
- for the periodicals which have not been previously listed the title in the original language, its publisher and the address of the publisher are indicated.

The proposed list is established following the requests formulated in the progress report concerning the study of non-patent literature presented by the International Bureau (document PCT/TCO/III/13) during the third session of the PCT Interim Committee for Technical Cooperation. It is noticed that secondary publications have been excluded according to the proposal of the representative of Japan from the present list with the exception of abstracting journals recognized as being essential for search purposes in a certain technical field, such as "Chemical Abstracts".

Supporting the proposal of the representative of the United Kingdom, the list contains some of the 75 periodicals indicated by at least two prospective authorities and 96 periodicals, the importance of which the representatives of Germany (Federal Republic of) and IIB emphasized.

In addition it seemed very advantageous and outstandingly important to include the periodicals published in two or more languages, because the very fact of the translation and republication indicates the significance of such periodicals.

I. CHEMICAL FIELD

Serial number	PERIODICALS	Language	Serial number PCT/TCO/SS/I/3 (Annex)	Serial number PCT/TCO/III/4 Annex II	Authorities were available								Total
					Austria	Brazil	Germany F.R.	Japan	Sweden	U.S.A.	U.S.S.R.	I.I.B.	
1	2	3	4	5	6	7	8	9	10	11	12	13	14
1.	Acta Chemica Scandinavica, Denmark	EG	9	8				+		+		+	3
										+			1
2.	American Ceramic Society, Journal, USA	E	23	18		+	+	+	+	+	+	+	5
													6
3.	American Chemical Society, Journal, USA	E	24	19			+	+	+	+	+	+	6
													6
4.	American Dyestuff Reporter, USA	E	28	21		+		+		+	+	+	5
													3
5.	Analytical Chemistry, USA	E	36	26			+	+	+	+	+	+	6
													4
6.	Angewandte Chemie, Germany F.R.	EG	37	27	+		+	+	+	+	+	+	7
													6
7.	Automatic Welding (Automaticeskaya Svarka, USSR)	ER	61	39				+			+	+	3
													1
8.	Bulletin Academy Sciences USSR: Division of Chemical Sciences	EG	95	62			+	+			+	+	4
											+		1
9.	Chemical Abstracts, USA	E	564	342		+	+	+	+	+	+	+	6
													4
10.	Chemical and Engineering News, USA	E	101	67			+	+	+	+	+	+	6
							+		+	+		+	4
11.	Chemical Engineering, USA	E	103	69			+	+		+	+	+	5
							+	+	+	+			4
12.	Chemical Reviews, USA	E	107	71			+	+	+	+	+	+	6
							+	+	+	+		+	5
13.	Chemical Society, Journal, England	E	108	72			+	+		+	+	+	5
								+	+	+		+	4

1	2	3	4	5	6	7	8	9	10	11	12	13	14
14.	Chemical Society of Japan, Journal: Industrial Chemistry Section, Japan	EJ	111	73				+		+	+		3 1
15.	Chemie-Ingenieur-Technik, Germany F.R.	G	113	75	+		+		+	+		+	5 3
16.	Chemische Berichte, Germany F.R.	G	115	77	+		+	+		+	+	+	6 4
17.	Chemistry and Industry, England	G	117	78			+	+		+	+	+	5 3
18.	CIBA - Review (CIBA - Rundschau), Switzerland	EG	120	79	+		+	+		+	+	+	5 2
19.	Collection des Travaux Chimiques de Tchécoslovaquie / Collection of Czechoslovak Chemical Communications	FE	658	419								+	1
20.	Doklady - Chemistry (Doklady Akademii Nauk SSSR - Khimiya)	ER	139	87			+			+	+	+	3 1
21.	Industrial and Engineering Chemistry: Fundamentals	E	252	169			+	+	+	+	+	+	6 4
22.	Gläsererei, Germany F.R.	G	198	123	+		+	+	+	+	+	+	7 3
23.	Glass and Ceramics (Steklo i Keramika)	ER	201	125			+	+			+	+	4 1
24.	Glastechnische Berichte, Germany F.R.	G	204	128	+		+		+	+	+	+	5 4
25.	INCO - Nickel (INCOMOND Nickel Information), England	EFG	251	168	+		+	+	+	+		+	6 1
26.	Iron and Steel, England	E	281	180			+	+	+	+	+	+	6 4
27.	Journal of Agricultural and Food Chemistry, USA	E	289	185	+	+		+	+	+	+	+	5 5
28.	Journal Analytical Chemistry USSR	ER	290	186			+	+			+	+	4 1
29.	Journal of Applied Chemistry, England	E	291	187		+	+	+		+	+	+	5 4

1	2	3	4	5	6	7	8	9	10	11	12	13	14
30.	Journal of Applied Chemistry of the USSR	ER	292	188			+	+			+		3 1
31.	Journal of Applied Polymer Science, USA	E	294	190		+	+	+		+			4 3
32.	Journal of Chromatography, Netherlands	EFG	299	194			+	+		+		+	4 4
33.	Journal of General Chemistry of the USSR	ER	304	197			+	+		+	+		4 1
34.	Journal of Inorganic & Nuclear Chemistry, England	EFG	306	199		+	+			+			3 1
35.	Journal of Metals, USA	E	309	202			+	+	+	+	+	+	6 3
36.	Journal of Organic Chemistry, USA	E	311	204			+	+		+	+	+	5 4
37.	Journal of Organometallic Chemistry, Netherlands	EFG	312	205			+	+		+	+		4 1
38.	Journal of Polymer, Science (A ₁ A ₂ BC), USA	EFG	324	215		+	+	+	+	+	+	+	5 7
39.	Journal of the Royal Netherlands Chemical Society / Recueil des Travaux Chimiques des Pays-Bas	EF	662	423								+	1
40.	Kautschuk & Gummi, Germany F.R.	G	327	217	+		+		+	+	+	+	6 2
41.	Kunststoffe, Germany F.R.	G	332	219	+	+	+	+	+	+	+	+	7 4
42.	Melliand Textilberichte, Germany F.R.	G	362	234	+		+	+		+	+	+	6 3
43.	Metal Finishing, USA	E	365	236		+	+	+		+	+	+	5 3
44.	Metal Sciences & Heat Treatment of Metals (Metallovedenie i Termicheskaiya Obrabotka Metallov)	ER	367	238			+	+			+		3 1
45.	Metallurgist (Metallurg)	ER	372	239				+		+	+	+	3 1

1	2	3	4	5	6	7	8	9	10	11	12	13	14
46.	Modern Plastics, USA	E	384		+		+	+		+	+	+	6
				245	+	+	+	+			+	+	6
47.	Plastverarbeiter, Germany F.R.	G	431				+		+	+	+	+	5
				265					+		+	+	3
48.	Polymer Science USSR (Vysokomolekulyarnye Soedineniya)	ER	436					+			+	+	3
				268							+		1
49.	Industrial and Engineering Chemistry: Product Research and Development, USA	E	254				+	+	+	+	+	+	6
				171			+	+	+		+	+	5
50.	Industrial and Engineering Chemistry: Process Design and Development, USA	E	253				+	+	+	+	+	+	6
				170				+	+	+	+	+	5
51.	Rubber Chemistry and Technology, USA	E	469				+	+	+	+	+	+	6
				283		+			+				2
52.	Russian Chemical Review (Uspekhi Khimii)	ER	473							+	+	+	3
				285							+		1
53.	Society of Dyers and Colourists, Journal, England	E	492				+	+		+	+	+	5
				298		+	+	+		+			4
54.	Soviet Rubber Technology (Kauchuk i Rezina)	ER	501				+			+	+		3
				306							+		1
55.	Stahl und Eisen, Germany F.R.	G	506		+		+	+	+	+	+	+	7
				308	+		+		+			+	4
56.	Steroids, USA	E	508				+	+		+	+	+	5
				309		+		+				+	3
57.	TAPPI Techn. Assocn. Pulp and Paper Industry	E	509				+	+	+	+		+	5
				310		+	+	+	+	+			5
58.	Tetrahedron, England and USA	EFG	520				+	+		+	+	+	5
				312				+		+	+	+	4
59.	Tetrahedron Letters, England and USA	EFG	521				+	+		+	+	+	5
				313		+	+				+	+	4
60.	Textile Manufacture, England	E	525		+		+	+		+	+	+	6
				316	+	+		+			+		4
61.	Textil Praxis, Germany F.R.	EG	522		+		+	+				+	4
				314	+						+		2

1	2	3	4	5	6	7	8	9	10	11	12	13	14
62.	Textile Research Journal, USA	E	527	317		+	+	+	+	+	+	+	6 5
63.	Water Pollution Control Federation, Journal, USA	EFG	539	326		+	+	+		+			3 2
64.	Wiggin Nickel Alloys (W.N. Rundschau), England	EG	594	355	+		+		+				3 1
65.	Chemiker Zeitung, Germany F.R.	G	114	76	+		+			+		+	3 4

II. ELECTRICAL and PHYSICS FIELD

Serial number	PERIODICALS	Language	Serial number PCT/TCO/SS/I/3 (Annex)	Serial number PCT/TCO/III/4 Annex II	Authorities were available ^b								I t a l T
					Austria	Brasil	Germany F.R.	Japan	Sweden	U.S.A.	U.S.S.R.	I.I.B.	
1	2	3	4	5	6	7	8	9	10	11	12	13	14
1.	Applied Optics, USA	E	46	30		+	+	+		+	+	+	5 5
2.	Applied Physics Letters, USA	E	47	31		+	+	+		+	+	+	5 4
3.	Archiv für technisches Messen,	G	53	34	+		+	+	+	+	+	+	7 4
4.	ASEA Journal (ASEA Zeitschrift), Sweden	EFG	55	36	+		+		+	+		+	5 1
5.	Automation and Remote Control (Automatika i Telemeknika)	ER	64	42			+				+	+	3 1

1	2	3	4	5	6	7	8	9	10	11	12	13	14
6.	Bell Laboratories Record, USA	E	75				+	+	+	+	+	+	6
				49			+				+	+	3
7.	Bell System Technical Journal, USA	E	76				+	+	+	+	+	+	6
				50		+	+	+	+	+	+	+	7
8.	Brown-Boveri Review (B-B Mitteilungen), Switzerland	EG	92		+		+	+	+	+		+	6
				60			+				+		2
9.	Bulletin Schweizerischen Elektro- technischen Vereins, Switzerland	FG	96		+		+	+				+	4
				63	+								1
10.	Control, England	E	129				+	+		+	+	+	5
				83		+	+		+				3
11.	Control Engineering, USA	E	131				+	+		+	+	+	5
				84			+	+	+		+	+	5
12.	Electrical Communication, USA	E	143		+		+	+	+	+		+	6
				90		+	+				+		3
13.	Electrochemical Society, Journal, USA	E	147				+	+	+	+	+	+	6
				94			+	+	+	+		+	5
14.	IEEE - Transaction on: Electron Devices, USA	E	234				+	+		+		+	4
				153		+		+			+	+	4
15.	IEEE - Transaction on: Electronic Computers, USA	E	235				+	+	+	+	+	+	6
				154		+	+	+	+			+	5
16.	Electronic Design, USA	E	149					+		+	+	+	4
				96		+				+		+	3
17.	Electronic Engineering, England	E	150				+	+		+	+	+	5
				97		+					+	+	3
18.	Electronics, USA	E	152				+	+	+	+	+	+	6
				99			+	+	+	+	+	+	6
19.	Elektrotechnik und Maschinenbau, Austria	G	158		+		+	+		+	+	+	6
				103	+		+		+				3

1	2	3	4	5	6	7	8	9	10	11	12	13	14
37.	NTZ - Communications Journal, Germany F.R.	G	389 248		+		+	+		+	+	+	6 3
38.	Optical Society of America, Journal USA	E	408 256				+	+		+	+	+	5 3
39.	Philips Research Reports and Supplements, Netherlands	E	416 261		+	+	+	+		+	+	+	7 2
40.	Philips Technical Review, Netherlands	E	417 262		+		+	+		+		+	6 3
41.	Power, USA	E	441 270				+	+		+	+	+	5 3
42.	Radio Engineering and Electronic Physics (Radioteknika i Elektronika)	ER	450 277				+	+			+		3
43.	RCA Review, USA	E	447 274			+	+	+		+	+	+	6 5
44.	Regelungstechnik, Germany F.R.	G	458 281		+		+	+		+	+	+	7 4
45.	Review of Scientific Instruments, USA	E	460 282				+	+		+	+	+	5 3
46.	Scientific American, USA	E	485 292			+	+	+		+	+	+	6 3
47.	Siemens Review (Siemens Zeitschrift), Germany F.R.	EG	490 296		+		+	+		+	+	+	7 4
48.	SMPTE - Journal, USA	E	477 287			+	+	+		+	+	+	6 2
49.	Solid State Electronics, England	E	494 299			+	+			+	+	+	5 3
50.	Solid State Technology, USA	E	495 300			+	+	+		+		+	5 4
51.	Soviet Journal of Atomic Energy, USA (Atomnaya Energiya)	ER	496 301				+				+	+	3 1
52.	Soviet Physics - Acoustics (Akusticheskii Zhurnal)	ER	497 302				+			+	+	+	3 1

1	2	3	4	5	6	7	8	9	10	11	12	13	14
5.	Aviation Week and Space Technology, USA	E	68	45			+	+	+	+	+	+	5 3
6.	Bulletin Academy Sciences USSR: Physical Series	ER	94	61			+	+			+		3 1
7.	Comptes Rendus Hebdomadaires Séances Académie, France	F	125	81			+	+		+		+	4 3
8.	Compressed Air, USA	EF	580	349					+	+		+	3 1
9.	Civil Engineering, USA	E	121	80		+	+			+	+	+	4 3
10.	Engineering, England	E	165	106			+	+	+		+	+	5 3
11.	Fördern und Heben, Germany F.R.	ERG	186	117	+		+	+	+		+	+	6 5
12.	Heating Piping and Air Conditioning, USA	E	207	131			+	+	+	+		+	5 4
13.	Machine Design, USA	E	346	225			+	+		+	+	+	5 4
14.	Machinery and Production Engineering, England	E	349	227		+	+			+	+	+	5 3
15.	Machines and Tooling (Stanki i Instru- ment)	ER	350	228			+				+	+	3 1
16.	Measurement Techniques (Izmeritelnaya Tekhnika)	ER	587	352				+		+	+		3 1
17.	Metalworking Production, England	E	373	240			+	+	+	+	+	+	6 4
18.	Modern Packaging, USA	E	383	244		+	+	+	+	+	+	+	6 3
19.	Nuclear Engineering, England	E	400	251			+	+	+	+	+	+	5 4
20.	Optics and Spectroscopy (Optika i Spektroskopiya)	ER	409	257			+			+	+	+	4 1

1	2	3	4	5	6	7	8	9	10	11	12	13	14
21.	Playthings, USA	E	434	267		+	+	+		+			3 4
22.	Power Farming, England	E	443	272		+	+		+	+	+	+	5 3
23.	Russian Engineering Journal (Vestnik Mashinostroeniya)	ER	590	353			+				+	+	3 1
24.	SAE - Journal (Soc. Automotiv Engineers), USA	E	474	286		+	+	+	+	+	+	+	6 2
25.	VDI - Zeitschrift (Verein Deutscher Ingenieure), Germany F.R.	G	537	324	+		+	+	+	+	+	+	7 1

/Annexe V suit/Annex V follows/

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Additional 22 periodicals proposed by the
IIB in the electrical and physics fields

Reference serial number	Periodical	Languages
8	Acoustical Society of America, Journal - USA	E
*92	Brown-Boveri Review - Switzerland	E G
218	IEEE - Journal of Solid State Circuits - USA	E
220	IEEE - Spectrum - USA	E
221	IEEE - Transactions on Aerospace and Electronic Systems - USA	E
225	IEEE - Transactions on Biomedical and Engineering - USA	E
230	IEEE - Transactions on Communication Technology - USA	E
236	IEEE - Transactions on Geoscience Electronics - USA	E
244	IEEE - Transactions on Parts, Materials and Packaging - USA	E
247	IEEE - Transactions on Sonics and Ultrasonics - USA	E
*279	Internationale Elektronische Rundschau - Germany (Fed. Rep. of)	G
310	Journal of Nuclear Energy - U.K.	E
320	Journal of Physics - Solid State Physics - U.K.	E
*416	Philips Research Reports and Supplements - Netherlands	E
423	Physical Review - USA	E
*477	SMPTE (Soc. Motion Pict. Telev. Engrs.) Journal - USA	E
*498	Soviet Physics - Doklady - USA	E R
*499	Soviet Physics - Solid State - USA	E R
576	Westinghouse Engineer - USA	E
548	Wireless World - U.K.	E
568	Nuclear Science Abstracts - USA	E
572	Electrical and Electronics Abstracts - U.K.	E

Notes:

* Periodicals already included in PCT/TCO/IV/2/Annex IV.

Reference Serial Number is that number indicated in previous documents (PCT/TCO/SS/I/3 (Annex), PCT/TCO/III/4 Annex II) for the same periodical.

Languages E = English G = German R = Russian

Electrical and Physics Field

Chemical Field

Abstracts, Chemical (564)
 Aerosol 13-EG
 Ceramics 23,(201-ER)
 Chemistry
 General 24,101,107,108,113,116-G,
 115,117,(9-EG),(95-ER),
 (111-EJ),(120-EG),(139-ER),
 (304-ER),(473-ER),(658-GE),
 (662-EF)
 Agriculture 289
 Analytical 36,(290-ER)
 Applied 37-G,291,(292-ER)
 Engineering 101,103,113,252,253,254
 Food 290
 Industrial 252,253,254
 Inorganic (306-ER)
 Nuclear (306-ER)
 Organic 311,520,521
 Organometallic (312-EFG)
 Coloring 492
 Dyestuffs 28,492
 Electrochemistry 147
 Food 289
 Glass 204-G,(201-ER)
 Heat treatment of metals (367-ER)
 Iron 281,506-G
 Metallurgy (372-ER)
 Metals 309,(367-ER)
 Nickel (251-EFG),(594-EG)
 Paper 509
 Plastics 332,384
 Polymer(s) 294,324,(436-ER)
 Pulp 509
 Rubber (327-G),(469),(501-ER)
 Steel 251,506-G
 Steroids 508
 Technology 113
 Textiles 362-G,525,527,(522-EG)
 Water pollution (539-EFG)
 Welding (61-ER)

Abstracts
 electrical and electronics * 572/568
 nuclear science 568/
 Acoustics 223,8/
 Atomic Energy (496-ER),310/
 Audio 223
 Automation 224,(64-ER)
 Biomedical engineering 225/
 Chromatography 299-EFG
 Communication 143,389-G,230/
 Computers 214,235
 Control 129,131,224,458-G,(65-ER)
 Electroacoustics 223
 Electronics
 aerospace 221/
 data processing 458-G
 design 149
 devices 239
 engineering 150
 general 75,76,152,215,219,417,
 447,279-EG),(450-ER),220/
 geoscience 236/
 quantum 217
 research and development 214
 solid state 494,495,218/
 Electrotechnology
 general 141-G,158-G,219,490-EG,(55-EGS),
 (92-EG),(96-FG),546/
 Instrumentation 240,322 460
 Measuring 53-G,240,(587-ER)
 Microwave 242
 Motion picture (477)
 Nuclear engineering 400
 Optics
 general 408,(409-ER)
 applied 46
 Physics
 general (94-ER),(497-ER),(498-ER),423/
 applied 42,286-EJ,293
 solid state (499-ER),320/
 Power
 apparatus 245
 system 245
 Radio 193-G,226,(450-ER),548/
 Research (214),(416)
 Science
 general 125-F,485,(341-G)
 Sonics 247/
 Spectroscopy (409-ER)
 Telegraphy 193-G
 Television 226,(477)
 Technology (341-G)
 Ultrasonics 247/
 * 572/568

Mechanical Field

Agriculture
 Machines 17,443
 Air conditioning 207
 Automobiles 6-G,(66),(474)
 Aviation 68
 Civil Engineering 121
 Compressed air (580-EF)
 Conveying 186-G
 Engineering
 General 165,(537-G),(590-ER)
 Lifting 186-G
 Machines 346,349,(350-ER)
 Mechanical Engineering 158-G,346
 Foundry 198-G
 Heating 207
 Metal
 working 373
 finishing 365
 Packaging 383,244/
 Piping 207
 Plastics working 431-G
 Playthings (toys and games) 434
 Powerfarming 443
 Production engineering 349
 Spectechnology 68
 Tooling (350-ER)

Explanatory Notes:

The numbers refer to the reference serial numbers of the periodicals as indicated in documents PCT/TCO/SS/I/3 (Annex), PCT/TCO/III/4 - Annex II and Annexes I, II, III, IV and V to this document PCT/TCO/IV/2.

The numbers without parentheses refer to the 96 periodicals listed in Annex III to document PCT/TCO/IV/2.

The numbers in parentheses refer to the 48 additional periodicals and 1 abstracting journal listed in Annex IV to document PCT/TCO/IV/2.

The numbers in square brackets refer to the 14 periodicals and 2 abstracting journals listed in Annex V to document PCT/TCO/IV/2 beyond those listed already in Annex IV, mentioned above.

All numbers not followed by letters refer to English language publications. The letters F, G, J, R and S stand for publications originally published in French (F), German (G), Japanese (J), Russian (R), or Swedish (S). An 'E' is added whenever there is also an edition in English.

/Fin du document/End of document/

CATCHWORD INDEX BY TECHNICAL FIELDS OF 158 PERIODICALS LISTED IN ANNEXES III, IV AND V TO DOCUMENT PCT/TCO/IV

PCT/TCO/IV - ANNEXE VI - seule page
 ANNEX VI - sole page

