

WIPO



PCT/TCO/VI/10

ORIGINAL: English

DATE: September 24, 1976

WORLD INTELLECTUAL PROPERTY ORGANIZATION

GENEVA

PATENT COOPERATION TREATY

INTERIM COMMITTEE FOR TECHNICAL COOPERATION

Sixth Session

Geneva, November 3 to 8, 1976

PRELIMINARY SURVEY OF THE DATES OF PUBLICATION OF PATENT DOCUMENTS CITED IN THE COURSE OF ASCERTAINING PRIOR ART ("CUT-OFF DATES")

Report prepared by the International Bureau

Introduction

1. The International Bureau, by its Circular letter No. 2504 dated June 4, 1976, invited the prospective International Searching Authorities to undertake a preliminary survey showing the year-dates of publication of patent documents cited in the course of discovering the relevant prior art with respect to a certain number of patents and/or inventors' certificates (or applications therefor). The objective of the survey was to obtain information that would provide a basis for discussion and further study concerning the most appropriate date or dates from which the search documentation that would constitute the minimum documentation under PCT Rule 34.1(c) should commence ("cut-off dates").

2. It is to be noted that the survey requested by the International Bureau was of a limited scope (i.e., at least 100 patents and/or inventors' certificates selected on a random basis in each of the three broad technical fields: Chemical, Electrical and Physics, and Mechanical) and that it was indicated that the results of the survey would be submitted to the Interim Committee for Technical Cooperation (hereinafter referred to as "the Interim Committee") at its sixth session in order to seek its advice as to whether, and in what way, studies should be continued.

3. Replies to Circular letter No. 2504 were received from the following Offices: Austrian Patent Office, German Patent Office, State Committee for Inventions and Discoveries of the USSR Council of Ministers, Swedish Patent Office, United States Patent and Trademark Office and the International Patent Institute (IIB).

Contents of Annexes to the Present Document

4. Attached to the present document are the following annexes:

Annex A: Circular letter No. 2504, mentioned in paragraph 1 above;

Annex B: Reply received from the Austrian Patent Office;

Annex C: Reply received from the German Patent Office;

Annex D: Reply received from the State Committee for Inventions and Discoveries of the USSR Council of Ministers;

Annex E: Reply received from the Swedish Patent Office;

- Annex F: Reply received from the United States Patent and Trademark Office;
- Annex G: Reply received from the International Patent Institute (IIB);
- Annex H: Summary, presented in tabular form, of the replies received, showing the distribution of patent documents cited in the course of discovering relevant prior art in accordance with their publication dates, expressed in percentages for each broad technical field. In this summary are indicated both the percentages of documents cited for given periods of publication (numbers appearing between arrows) and cumulative percentages (in frames) showing the amount of cited documents published before a given date. It should be noted that the reply received from the International Patent Institute (IIB), which indicates the distribution of patent documents cited, in accordance with the eight sections of the International Patent Classification, has not been included in the summary since such breakdown does not permit easy comparison with the other replies.

Comments

5. The question of the establishment of cut-off dates has been dealt with extensively in the framework of ICIREPAT for the purposes of reducing the indexing costs of a mechanized search system. In this context, the competent body of ICIREPAT established several principles to be followed when determining cut-off dates for mechanized search systems. Although these principles were agreed upon in the framework of the "ICIREPAT Procedure for the Development and Introduction of Systems", and do not apply as such to the establishment of cut-off dates for the purposes of the minimum documentation under PCT Rule 34.1(c), they raise a certain number of basic issues which might be taken into account by the Interim Committee when considering the results of the survey referred to in paragraphs 1 and 2 above. The principles mentioned above are as follows:

- (i) "A cut-off date should be regarded as a means of reducing the indexing costs of a mechanized search system."
- (ii) "An individual cut-off date should be established separately for each particular subject matter field."
- (iii) "The documents contained in the search file dated before the cut-off date should not be discarded from the search file; ways and means of identifying these documents should be found."
- (iv) "There are cases where no single cut-off date exists for the whole field."
- (v) "Cut-off dates may be advantageous for some subfields and not for others. If the scope of a mechanized system is restricted to the active subfields, no cut-off date other than that inherent in the subfields will be necessary."
- (vi) "Guidelines for determining a cut-off date can be formulated on the basis of citation frequency studies and of the proposed use of the system."
- (vii) "An alternative to a cut-off date would be to index older documents (from an agreed date of publication) on a more restricted basis, this basis to be set out in the manual for the system."

6. The Interim Committee is invited to consider the results of the survey contained in this document and to give its advice as to any further action that should be taken.



WORLD INTELLECTUAL PROPERTY ORGANIZATION

ORGANISATION MONDIALE DE LA PROPRIÉTÉ INTELLECTUELLE

Circular No. 2504
PCT 081.3

June 4, 1976

Sir,

The International Bureau is giving consideration to the question of the most appropriate date or dates from which the search documentation that would constitute the minimum documentation under PCT Rule 34.1(c) (i) should commence ("cut-off dates"). The International Bureau is aware that a number of surveys concerning cut-off dates have been made in recent years, particularly the survey submitted to the PCT Interim Committee for Technical Cooperation in 1972 (document PCT/TCO/SS/III/9). For your convenience, a copy of the said document is annexed.

As a starting point in its present studies, the International Bureau requests that your Office, as a prospective International Searching Authority under the PCT, should undertake a survey of at least 100 patents and/or inventors' certificates (or applications for the same), selected on a random basis in each of the three broad technical fields set out below and indicate, in relation to such documents, the year-dates of the publication of the patent documents cited in the course of discovering the relevant prior art. The three broad technical fields mentioned above are, as follows :

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

Electrical and Physics - mainly electrical and electronics but including also communications, data processing, automation, control, instrumentation, lighting, nucleonics and physics;

./.

Circular No. 2504
PCT 081.3

2.

Mechanical - mainly mechanical and civil engineering, but including also, in general, everything not included in the other two above-mentioned fields.

We realize that the effort we invite you to undertake will not produce conclusive findings. Our main goal is to have a basis for further study and discussions.

Furthermore, it would be appreciated if the International Bureau were also supplied with information on any recent statistical studies concerning the publication dates of cited patent documents within different technological fields which might be considered useful.

We would also appreciate receiving any information you can supply concerning any characteristics of your search files, or of search procedures, which you might consider as useful in the interpretation of the statistical data requested above.

The results of this first preliminary survey will be submitted to the Interim Committee for Technical Cooperation at its sixth session, in order to seek its advice as to whether, and in what way, the studies of the International Bureau should be continued.

It is requested that you should kindly communicate to the International Bureau your response to this circular by the end of August 1976.

Sincerely yours,



Felix A. Sviridov
Deputy Director General

DER PRÄSIDENT
DES ÖSTERREICHISCHEN PATENTAMTES

GR 997/76-33

Wien, am August 31, 1976

I., Kohlmarkt 8-10

Postanschrift: Postfach 95, A-1014 Wien

Mr. Felix A. SVIRIDOV
Deputy Director General
World Intellectual Property
Organization
32, chemin des Colombettes
CH-1211 G e n è v e 20

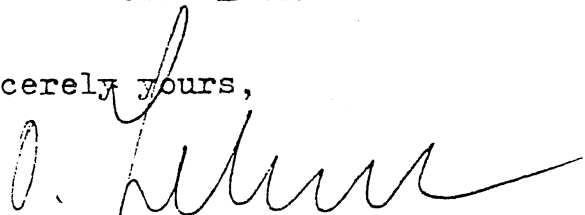
Dear Mr. Sviridov,

C. 2504
In reply to your letter of June 4, 1976, I have the
honour to submit a survey of 100 Austrian patents in
the three broad technical fields.

The patent documents are selected at random basis from
those published in 1975/1976. The survey relates to
patents which were subject to an examination as to
novelty and inventive step and does not include
applications refused. The Austrian patent law does
not provide for an "isolated search".

I agree with your interpretation that conclusions
on a later cutt-off-date for the minimum documentation
can only be drawn from a study concerning small classi-
fication units. However, at present the Austrian Patent
Office has no statistical data of this nature at its
disposal.

Sincerely yours,



Dr. Leberl

TECHNICAL FIELD:
Chemical

	- 1919	1920-1929	1930-1939	1940-1949	1950-1959	1960-1964	1965-1969	1970-1974	Σ
DT	1	-	2	-	6	11	13	32	65
FR	-	-	1	-	1	1	4	6	13
CH	-	1	-	1	1	3	2	4	12
GB	-	1	-	1	1	4	3	5	15
US	1	-	2	4	3	3	9	5	27
OE	-	-	3	-	4	9	18	18	52
DL	-	-	-	-	1	1	2	5	9
Σ	2	2	8	6	17	32	51	75	193

TECHNICAL FIELD:
Electrical and Physics

	-1919	1920-1929	1930-1939	1940-1949	1950-1959	1960-1964	1965-1969	1970-1974	Σ
DT	2	-	1	1	3	12	22	26	67
FR	-	-	1	1	2	1	8	4	17
CH	-	1	1	1	2	-	3	4	12
GB	-	1	-	2	1	3	5	1	13
US	1	2	1	-	2	4	12	7	29
OE	1	-	-	-	-	3	7	10	21
DL	-	-	-	-	-	-	1	-	1
Σ	4	4	4	5	10	23	58	52	160

TECHNICAL FIELD:
Mechanical

	-1919	1920-1929	1930-1939	1940-1949	1950-1959	1960-1964	1965-1969	1970-1974	Σ
DT	5	6	6	1	9	12	17	49	105
FR	1	-	1	-	8	7	9	2	28
CH	1	-	-	3	5	4	5	3	21
GB	4	1	3	-	2	1	5	3	19
US	3	3	6	3	9	3	12	9	48
OE	-	1	4	-	1	8	12	16	42
DL	-	-	-	-	2	-	2	3	7
Σ	14	11	20	7	36	35	62	85	270

[L'annexe C suit/Annex C follows]

PCT/TCO/VI/10
ANNEXE C/ANNEX C

DER PRÄSIDENT
DES DEUTSCHEN PATENTAMTS

8000 MÜNCHEN 2, den August 19, 1976

Zweibrückenstraße 12

Fernruf (0 89) 2 19 51

Fernschreiber 5 23 534

Fernrufdurchwahl (0 89) 21 95

Hausruf 3971

Geschäfts-Nr.: 9330/10 (11) - 3.1.3.

Bitte in der Antwort die vorstehende Geschäftsnummer angeben.

Bd XV 2

Mr. Felix A. S v i r i d o
Deputy Director General
World Intellectual Property
Organization (WIPO)

32, chemin des Colombettes

CH - 1211 G e n e v e 20

Re: Circular No. 2504 - 081.3

Dear Mr. Sviridov,

In response to the above mentioned circular I am forwarding you enclosed the requested survey of about 3 000 examined T applications (Auslegeschriften) with the filing date of 1970.

In addition thereto I am sending you the text of a lecture concerning the age of citations from prior art given by the head of our search file section, Mr. Schiffels at the 18th Annual Meeting of the Patent Documentation Committee (Ausschuß für Patentedokumentation) on May 6 and 7 of this year.

Sincerely yours,

Köhne

Köhne

Vice-President

S U R V E Y

For the present survey reference is made to the enclosed report on the "Age Distribution of Citations from Prior Art".

The results are broken down according to the following three broad technical fields:

I. Chemical

(covering the Int.Cl. subdivisions C, A 2, A 6, D, B 22)

II. Electrical and Physics

(covering the Int.Cl.-subdivisions Gand H)

III. Mechanical

(covering the remaining subdivisions not included in I and II)

It appeared that the age distribution of citations substantially follows the age distribution of technology as such (cf the annexed diagrams).

The most recent citations have been ascertained in field II, electrical and physics, whereas field III, mechanical, shows the earliest citations (cf the table reproduced below).

	Technical Field	average age in years	Indication of the year from which on backward only 10 pc. of the citations have been ascertained
I.	Chemical	11,2	1940
II.	Electrical and Physics	9,1	1951
III.	Mechanical	12,0	1939
=====			
Total I,II,III	All fields of technology	11,0	1942

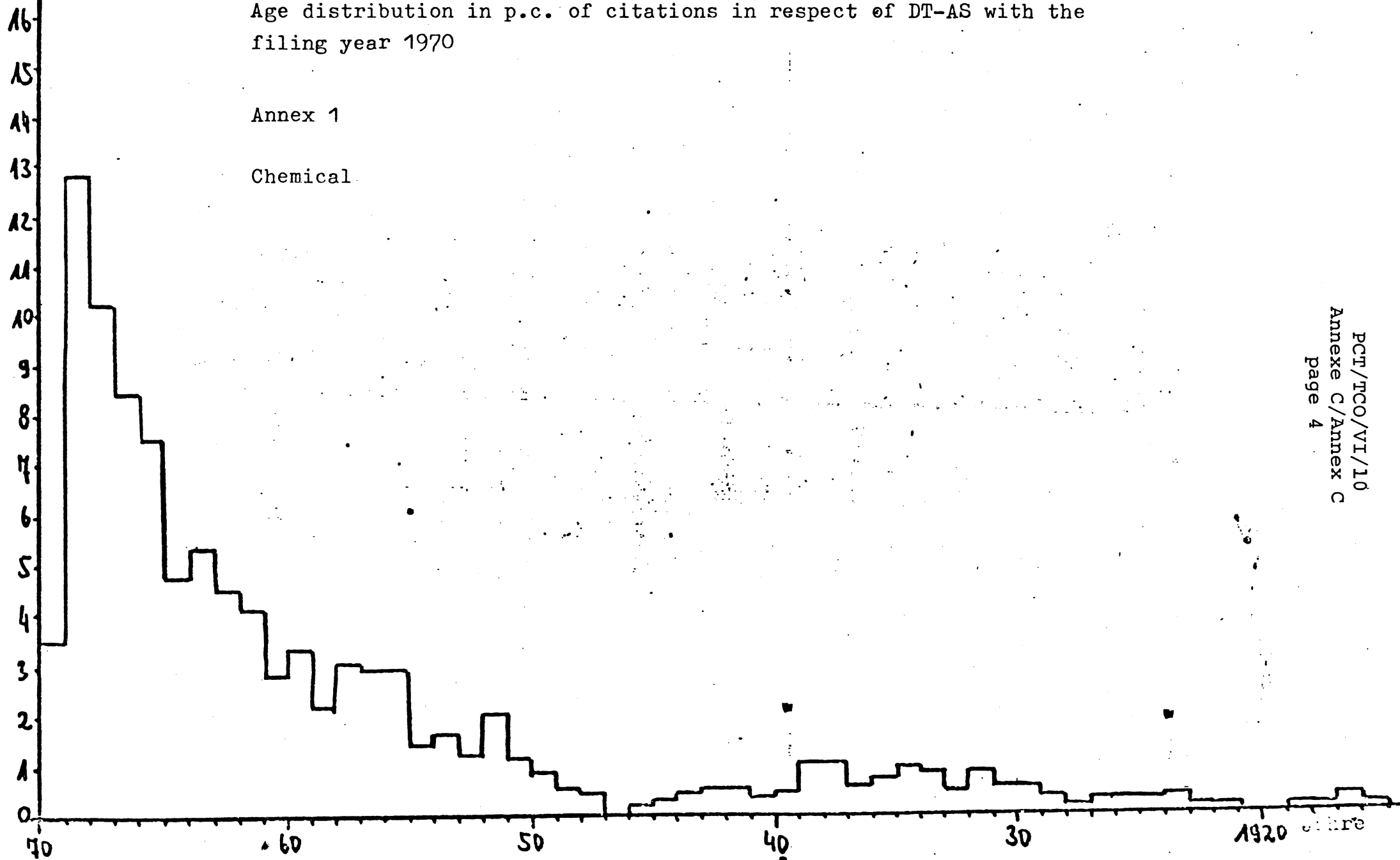
- 2 -

Subject to a more detailed study, it follows from this table already now that as far as search files prior to 1940 are concerned, the search effort required as compared to the number of the relevant citations ascertained is such that the cut-off-date 1940 would seem worth considering.

Age distribution in p.c. of citations in respect of DT-AS with the filing year 1970

Annex 1

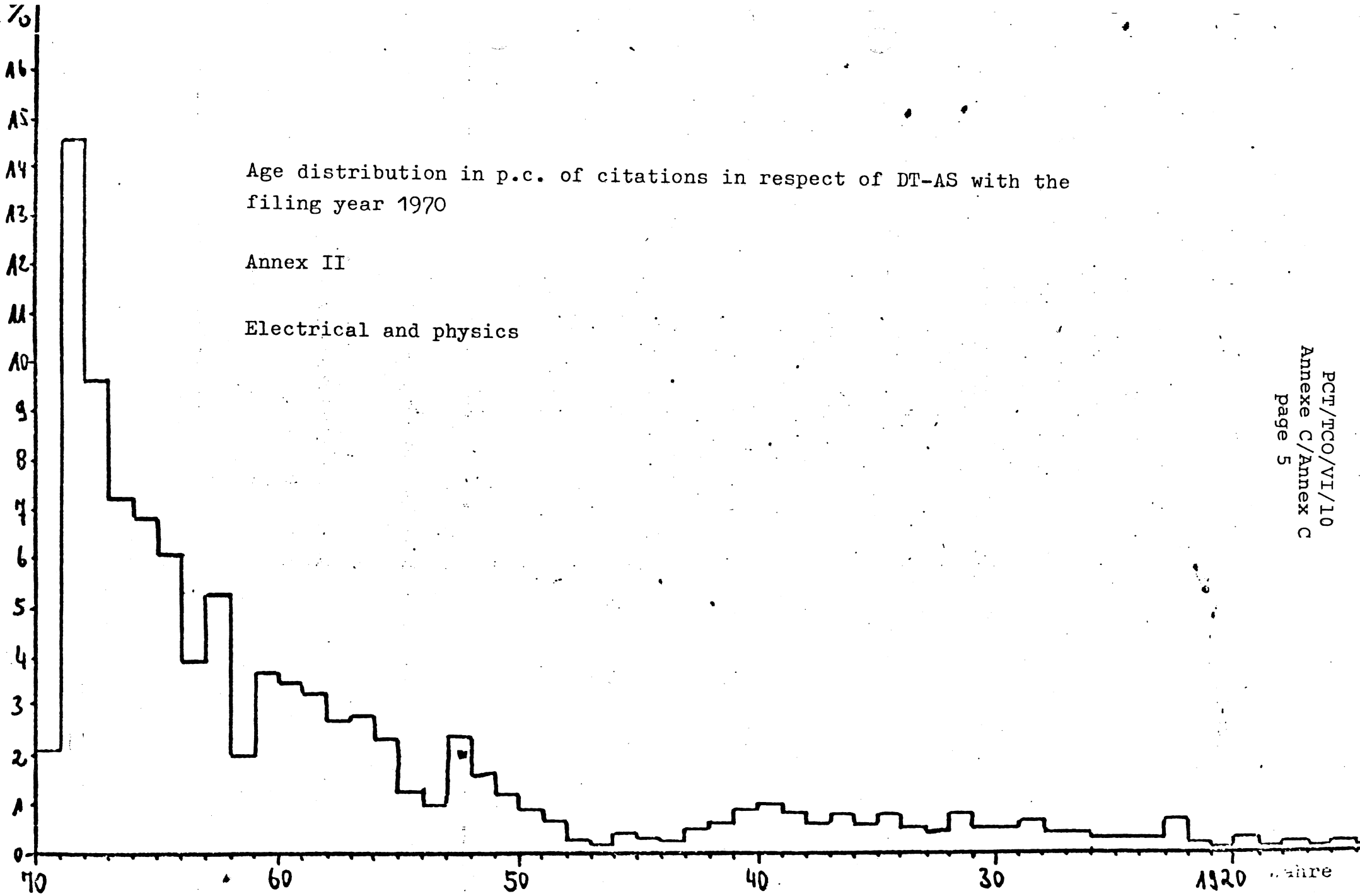
Chemical



Age distribution in p.c. of citations in respect of DT-AS with the filing year 1970

Annex II

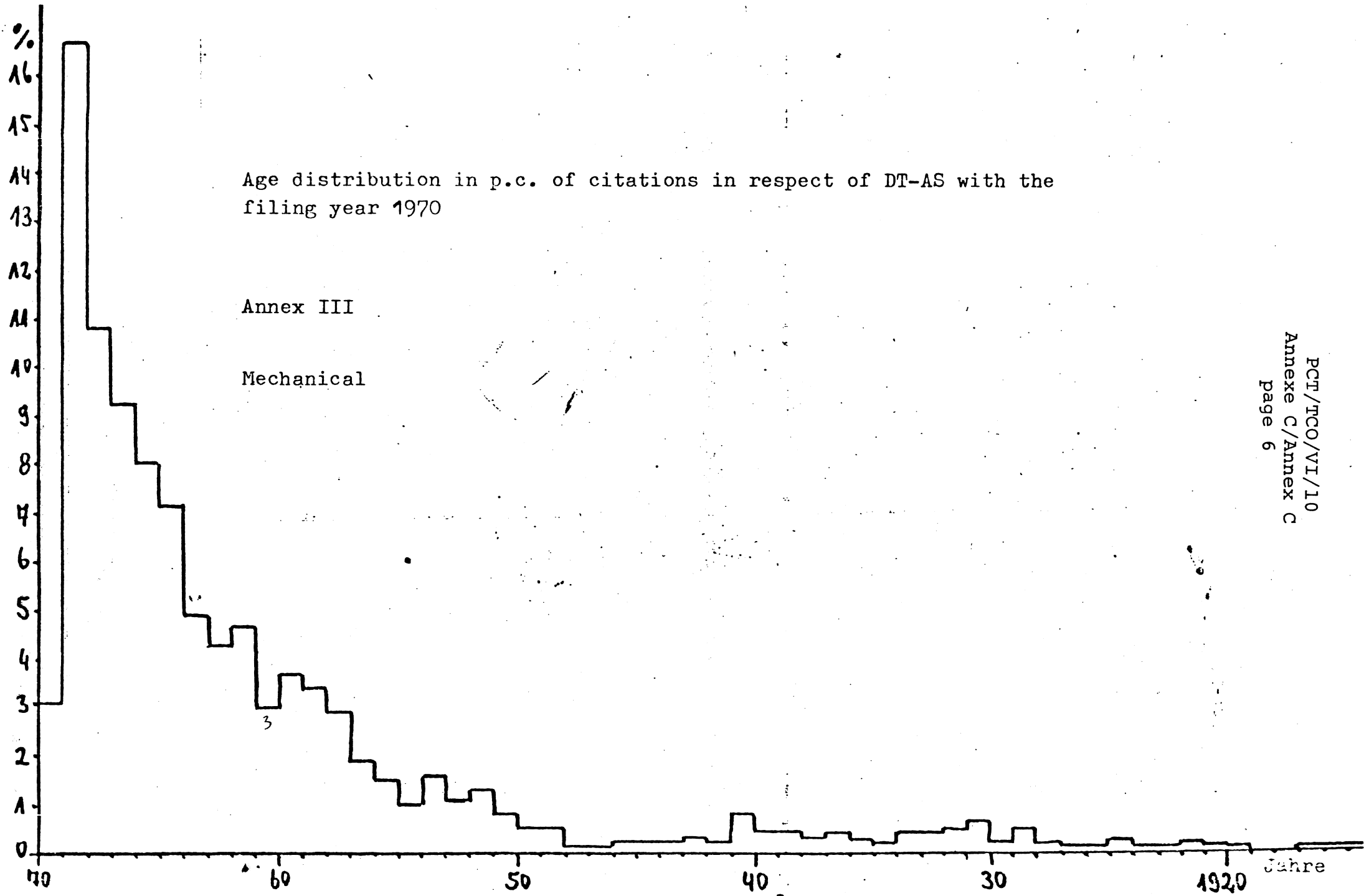
Electrical and physics



PCT/FCO/VI/10
Annexe C/Annex C
page 5

Age distribution in p.c. of citations in respect of DT-AS with the filing year 1970

Annex III
Mechanical

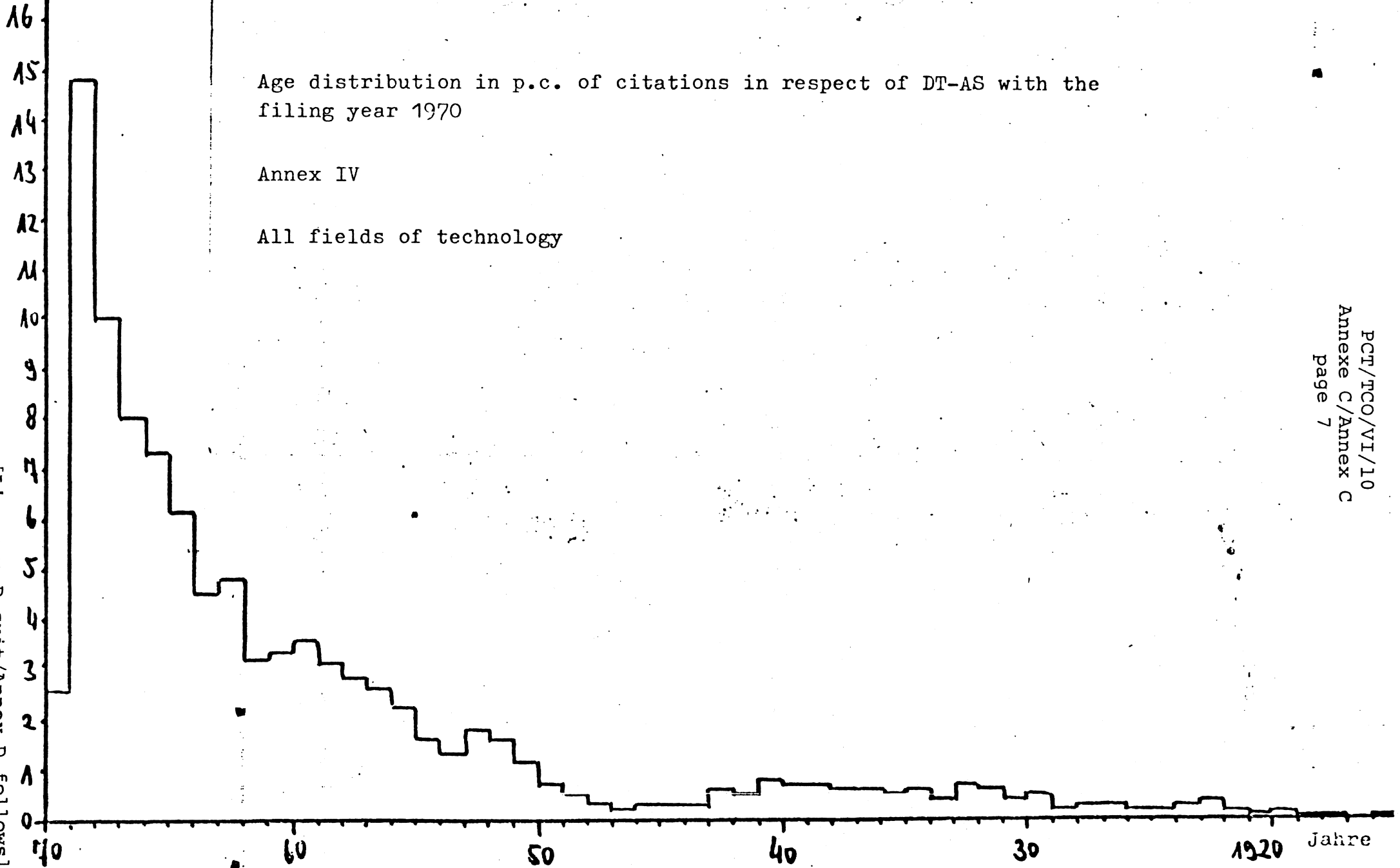


Age distribution in p.c. of citations in respect of DT-AS with the filing year 1970

Annex IV

All fields of technology

[L'annexe D suit/Annex D follows]



PCT/TCO/VI/10
ANNEXE D/ANNEX D

VE/ip
14/11-27936/45
16.08.76

Dear Dr. Sviridov,

With reference to your letter No. 2504 dated June 4, 1976 concerning the preparation of data on the citation frequencies according to the years of publication for the discussion of the problem of the selection of the optimal cut-off date for the minimum documentation in correspondence with Rule 34.1(c) (i) of the PCT, I have pleasure in forwarding you the results of the investigation of citation frequencies according to the years of publication in the three fields of technology as it was proposed by the International Bureau.

The results of the investigation are presented in the attached Tables 1, 2, 3 and 4.

The citation frequencies received on the basis of the study of 350 applications, which are at present under the national examination procedure. At least one most relevant citation is indicated in the decision of the expertise on each of these applications.

Tables 2 and 4 show the citation frequencies received on the basis of the study of 43 applications for which an experimental international search was made in accordance with a procedure close to the requirements of the PCT. In that case each search report contains from 2 to 15 citations (in average 8) disclosing the preceding state of the art.

The number of (+) signs in Tables 3 and 4 is equal to the number of citations relating to the respective date and fields of technology.

We hope that these data can be used by the International Bureau in its study of the problem of the selection of the optimal cut-off date for the PCT minimum documentation.

Yours sincerely,
L. Komarov
Deputy Chairman of the State Committee

Dr. F. Sviridov
Deputy Director General
WIPO

Table 1.

Year	Technical Field		
	Chemical,...	Electrical,...	Mechanical,...
before 1920	0	0	2
1921 - 1925	0	0	0
1926 - 1930	0	0	2
1931 - 1935	1	1	2
1936 - 1940	3	0	0
1941 - 1945	0	0	2
1946 - 1950	3	1	4
1951 - 1955	4	1	3
1956 - 1960	8	8	6
1961 - 1965	30	13	28
1966 - 1970	44	43	56
1971 - 1975	80	67	57
total cit.	173	134	162

Table 2.

Year	Technical Field		
	Chemical,...	Electrical,...	Mechanical,...
before 1920	0	1	0
1921 - 1925	0	1	1
1926 - 1930	0	1	2
1931 - 1935	0	1	2
1936 - 1940	0	1	0
1941 - 1945	2	3	3
1946 - 1950	2	1	6
1951 - 1955	6	4	1
1956 - 1960	10	7	11
1961 - 1965	19	16	17
1966 - 1970	42	48	42
1971 - 1975	29	42	25
total cit	110	126	110

Table 3.

Year	Technical Field		
	Chemical,...	Electrical,...	Mechanical,...
1975	+++++	+++++	++++
1974	+++++	+++++	+++++
1973	+++++	+++++	+++++
1972	+++++	+++++	+++++
1971	+++++	+++++	+++++
1970	+++++	+++++	+++++
1969	+++++	+++++	+++++
1968	+++++	+++++	+++++
1967	+++++	+++++	+++++
1966	+++++	+++++	+++++
1965	+++++	+++++	+++++
1964	+++++	+	+++++
1963	+++++	+++++	++++
1962	+++++		++++
1961	++	+	+++++
1960	++	+	
1959	++	+	+++
1958	+	++	+
1957	++	+++	+
1956	+	+	+
1955			+
1954	+	+	
1953	+		
1952	+		++
1951	+		
1950	++		+
1949	+	+	++
1948			+
1947			
1946			
1945			
1944			
1943			++
1942			
1941			
1940			
1939	+		
1938	++		
1937			
1936			
1935			+
1934	+	+	+
1933			
1932			
1931			
1930			
1929			
1928			+
1927			
1926			+
1925			
1924			
1923			
1922			
1921			
1920			
before 1920			++
total	173	134	162
cit			

Table 4.

Year	Technical Field		
	Chemical,...	Electrical,...	Mechanical,...
1975		+	+
1974	++	+++++++	+++
1973	++	+++++++	+++
1972	+++++++	+++++++	+++++++
1971	+++++++	+++++++	+++++
1970	+++++++	+++++++	+++++++
1969	+++++	+++++++	+++++++
1968	+++++	+++++	+++++++
1967	+++++++	+++++++	++++
1966	+++++	+++++++	+++++
1965	+++++	++++	+++++++
1964	+++++	+++++	+
1963	+++	++	
1962	++++	+++	+++
1961	+	+	++++
1960	++++	++	++++
1959	+	++	+++
1958	++		+
1957	+	++	++
1956	++	+	+
1955		+	
1954	++	+	
1953	+	+	
1952	+	+	+
1951	++		
1950			
1949	+	+	+++
1948			+
1947	+		+
1946			+
1945	+	+	
1944			+
1943			
1942		+	+
1941	+	+	+
1940			
1939			
1938		+	
1937			
1936			
1935		+	
1934			+
1933			+
1932			
1931			
1930			+
1929			+
1928		+	
1927			
1926			
1925			
1924		+	
1923			
1922			
1921			+
1920			
before 1920		+	
total c.i.t	110	126	110

[L'annexe E suit/Annex E follows]

PCT/TCO/VI/10

KUNGL PATENT- OCH REGISTRERINGSVERKET ANNEXE E/ANNEX E

August 13, 1976

Mr. Felix A. Sviridov
Deputy Director General
WIPO
32, chemin des Colombettes
CH-1211 Genève 20
Schweiz

Dear Mr. Sviridov,

In reply to your letter of June 4, 1976, circular No. 2504/PCT 081.3, I have the honor to submit the result of a survey at the Swedish Patent Office conducted in compliance with your suggestion on the conduct of the investigation as to "cut-off dates" with regard to citations in patent applications searched at the Swedish Patent Office.

The random selection has been achieved by taking the applications in which a first action - i.e. the result of the novelty search - was delivered in the period March - May, 1976 until a number of 100 were achieved in the general technical fields of Chemistry, Electrical and Physics, and Mechanical arts respectively (i.e. a total of 300 applications).

The investigation shows that as a general trend the great majority of citations are from within a 20 year period from the date of the application. Appr. 0.75 % of the applications were dated prior to the year 1900, 8 % prior to 1920 and 18 % prior to 1940. With regard to the different fields only the mechanical field shows a significant number of citations dated prior to 1925, the electrical a significant number around the years 1930 - 1940, whereas in the chemical field the citations to a higher degree are concentrated to the time after the year 1950.

Further details are shown in the attached table and curves, numbered I - III.

We believe the results are selfexplanatory and that they in the main conform to general experience not

requiring any further analysis or explanations in relation to characteristics of search files etc.

I hope this will meet with your intentions, and that the results will be useful for further studies in the advisability of introducing "cut-off dates".

Sincerely yours

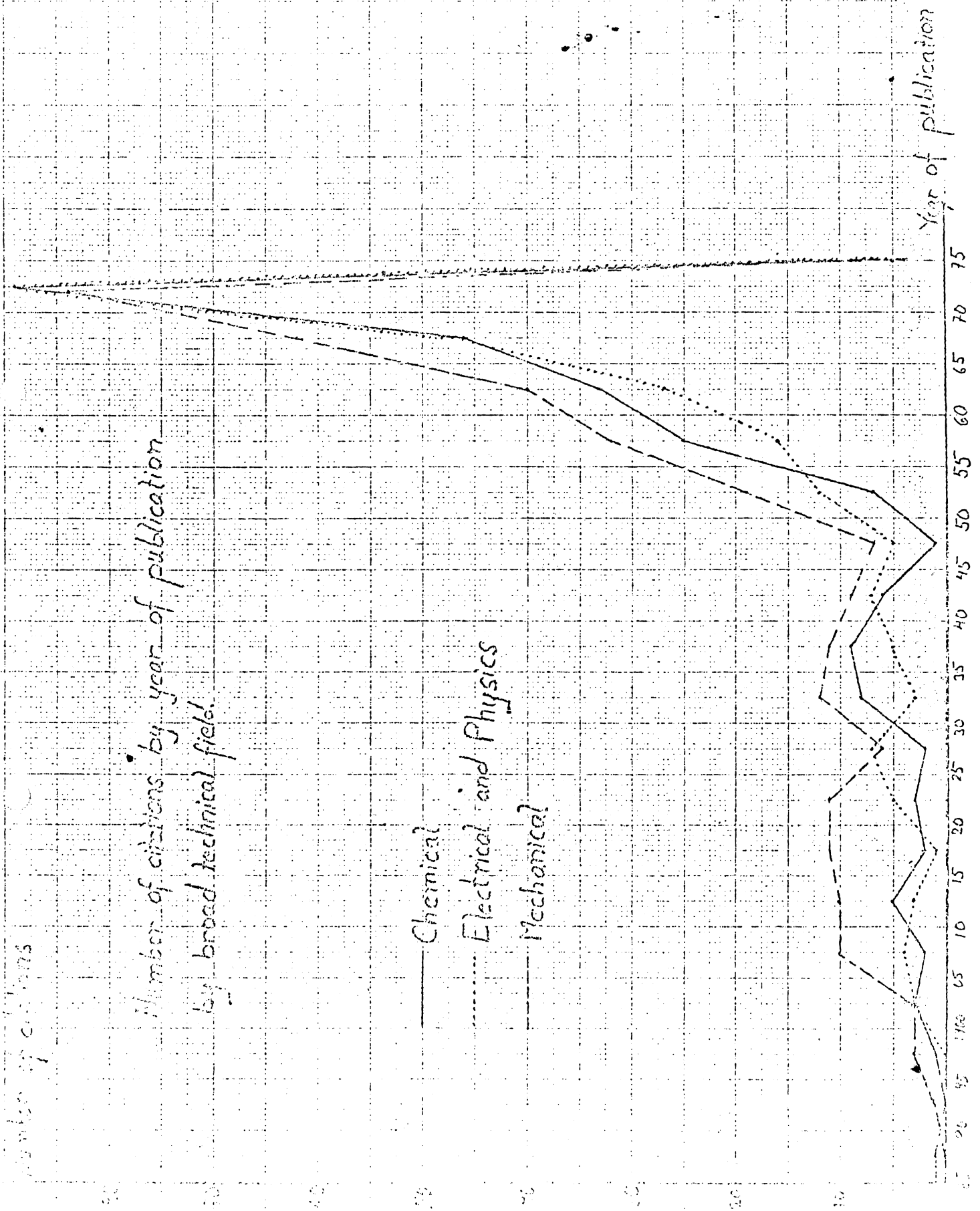


Saul Lewin

Deputy Director General

Total number of citations by year of publication
by broad technical field.

Year	Chemical	Electrical and Physics	Mechanical	Total
1881-	1	0	0	1
1890-1894	0	0	1	1
1895-1899	1	0	3	4
1900-1904	3	3	3	9
1905-1909	2	4	10	16
1910-1914	5	3	10	18
1915-1919	2	1	11	14
1920-1924	3	5	11	19
1925-1929	2	7	6	15
1930-1934	8	3	12	23
1935-1939	9	5	11	25
1940-1944	6	7	9	22
1945-1949	1	5	7	13
1950-1954	7	12	19	38
1955-1959	15	16	32	63
1960-1964	33	27	40	100
1965-1969	46	48	62	156
1970-1974	88	88	89	260
1975-	8	5	4	17
All years	240	237	335	812



Number of citations

Number of citations by year of publication
by broad technical field.

Chemical

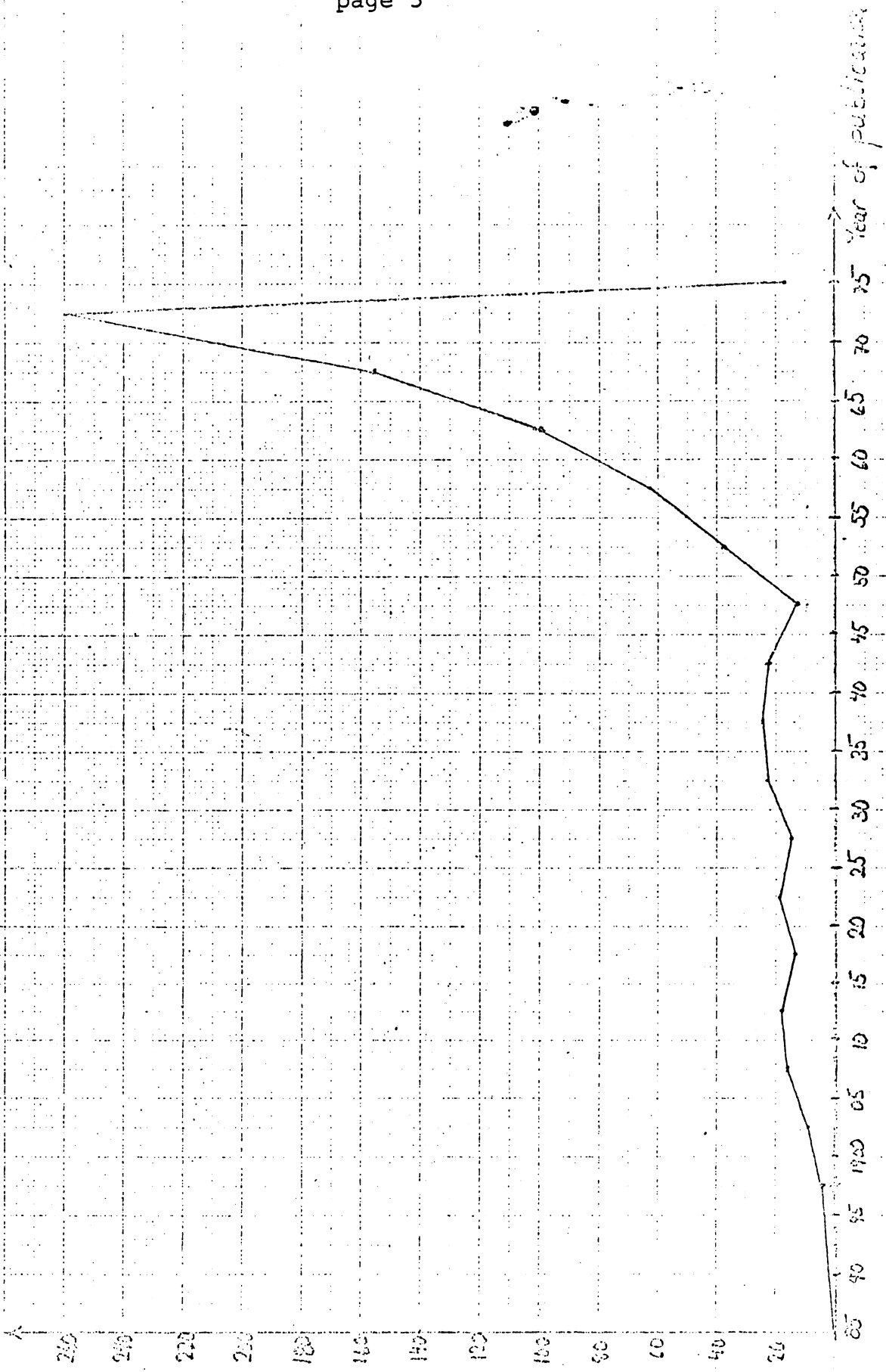
Electrical and Physics

Mechanical

Year of publication

Total number of citations by year of publication

Number of citations





**UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office**

Address: COMMISSIONER OF PATENTS AND TRADEMARKS
Washington, D.C. 20231

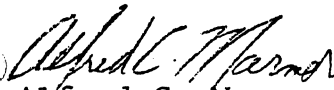
August 25, 1976

Dr. Felix A. Sviridov
Deputy Director General
World Industrial Property Organization
32 chemin des Colombettes
1211 Geneva 20, Switzerland

Dear Dr. Sviridov:

In response to WIPO Circular 2504, dated June 4, 1976, we are submitting the attached table. This table presents a statistical compilation of the publication dates for the documents cited in patents issued in the United States Patent and Trademark Office during the period of January 1, 1975 through June 30, 1976. The publication dates are grouped into five intervals: Pre-1920, 1920-1939, 1940-1959, 1960-1969, and Post 1969. The patents are grouped by Chemical, Electrical, and Mechanical.

Sincerely yours,


Alfred C. Marmor
Administrator for Documentation

Attachment



Publication Dates for Documents
 Cited in United States Patents Issued from
 January 1, 1975 through June 30, 1976

Publication Date	Chemical		Electrical		Mechanical		Total	
	No.	%	No.	%	No.	%	No.	%
Pre 1920	2808	2	4538	3	19035	8	26381	5
1920-1939	7821	5	8902	6	27863	11	44586	8
1940-1959	24461	16	22867	15	51296	20	98624	17
1960-1969	57449	37	50611	33	81065	32	189125	34
Post 1969	62812	40	65998	43	72044	29	200854	36
Total	155351	100	152916	100	251303	100	559570	100



INSTITUT INTERNATIONAL DES BREVETS

TÉLÉPHONE:

906789

ADRESSE TÉLÉGRAPHIQUE:

BREVPATENT

TÉLEX No. 31.651

ADRESSE:

PATENTLAAN 2 RIJSWIJK (Z.H.)
(PAYS-BAS)

Mr. F. Sviridov
Deputy Director General

W.I.P.O.

32, chemin des Colombettes
1211 GENEVE 20
Switzerland

VDC/238/Lc

RIJSWIJK (Z.H.), le July 27th, 1976

Dear Mr. Sviridov,

With reference to circular n° 2504 (PCT) I am sending you, in the annexes I and II, the result of a study of the age of patent documents cited in search reports produced at the IIB in the beginning of July '76.

Annex I indicates the distribution of 436 search reports taken into consideration for the present study, over the eight sections of the Int. Cl. In the third, fourth and fifth column are put the numbers of documents cited (patent documents, non-patent literature and the total number).

Annex II indicates cumulatively for the period up to 1950 in periods of 10 years, and from 1950 to 1976 in periods of 5 years, the number of documents cited which are dated before the end of each period.

The IIB search documentation goes beyond the PCT minimum documentation for the following countries:

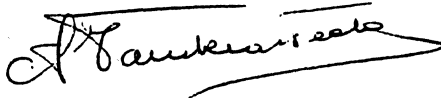
United Kingdom	(from 1909)
France	(from 1902)
Germany	(from 1877)

VDC/238/Lc

2.

Moreover, the patent documents of Belgium (from 1926 on), Luxembourg (from 1946 on) and The Netherlands (from 1912 on) are also included in the search files.

Yours sincerely,

A handwritten signature in black ink, appearing to read 'A. Vandecasteele', written in a cursive style with a long horizontal flourish extending to the right.

A. VANDECASTEELE
Conseiller au Service Technique

Technical Field (Int. Cl. Section)	Number of Search Reports	Number of Patent Documents cited	Other documents cited (Non-patent litt.)	Total number documents cited
A	60	132	9	141
B	56	125	4	129
C	77	109	6	115
D	32	69	2	71
E	35	128	3	131
F	46	117	3	120
G	67	126	20	146
H	63	150	23	173
TOTAL:	436	956 (93,18%)	70 (6,82%)	1.026 (100%)

PCT/TCO/VI/10
Annexe G/Annex G
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ANNEX II

Period of publication before:	Number of documents cited in 436 search reports																ANNEX II	
	Section A		Section B		Section C		Section D		Section E		Section F		Section G		Section H		Total number of documents cited	
		%		%		%		%		%		%		%		%		%
1920	6	4,55	-	-	1	0,92	2	2,9	4	3,13	3	2,61	1	0,8	-	-	17	1,78
1930	14	10,67	3	2,4	5	4,59	5	7,25	8	6,25	5	4,35	3	2,4	2	1,33	45	4,72
1940	28	21,21	12	9,6	9	8,26	11	15,94	19	14,84	10	8,7	8	6,4	5	3,33	102	10,7
1950	35	26,52	18	14,4	14	12,84	15	21,74	25	19,53	15	13,04	12	9,6	9	6,67	143	15,01
1955	41	31,06	25	20	16	14,68	20	28,99	31	24,22	28	24,35	17	13,6	15	10	193	20,25
1960	52	39,39	36	28,8	28	25,69	26	37,68	40	31,25	35	30,43	21	16,8	27	18	265	27,81
1965	67	50,76	53	42,4	50	45,87	39	56,52	53	41,41	57	49,57	32	25,6	48	32	399	41,87
1970	101	76,52	90	72	77	70,64	53	76,81	90	70,31	85	73,91	71	56,8	94	62,67	661	69,30
1976 total	132	100	125	100	109	100	69	100	128	100	115	100	125	100	150	100	953	100

[L'annexe H suit/Annex H follows]

Distribution of patent documents cited in the course of discovering relevant prior art in accordance with their publication dates, expressed in percentages for each broad technical field

Reporting Offices	Technical Fields	Year-dates of publication of patent documents cited										Total number of documents cited		
		1920	1930		1940		1950		1960		1970			
Austrian Patent Office	Chemical	1		2		6.2		9.2		18.1	34.7	61.1	100	193
	Electrical and Physics	2.5		5		7.5		10.6		16.8	31.2	67.5	100	160
	Mechanical	5.2		9.3		16.7		19.3		32.6	45.6	68.5	100	270
German Patent Office	Chemical	0.7		3.2		9.6		13.5		35.8	57.7	100	-	
	Electrical and Physics	1.1		4.7		11.6		16.6		38.3	59.5	100	-	
	Mechanical	0.5		2.4		6.1		9.2		28.2	52.3	100	-	
State Committee for Inventions and Discoveries of the USSR Council of Ministers	Chemical	0	0	0	0.4	1.4	2.1	3.9	7.4	13.8	31.1	61.5	100	283
	Electrical and Physics	0.4	0.8	1.2	2	2.4	3.5	4.3	6.2	12	23.1	58.1	100	260
	Mechanical	0.7	1.1	2.6	4.1	4.1	5.9	9.6	11.1	17.3	33.8	69.8	100	272
Swedish Patent Office	Chemical	5.8	7.1	7.9	11.3	15.1	17.6	18	20.9	27.1	40.8	60	100	240
	Electrical and Physics	4.6	6.7	9.6	10.9	13	15.9	18	23	29.7	41	61.1	100	239
	Mechanical	11.3	14.6	16.4	20	23.3	26	28.1	33.8	43.3	55.2	73.7	100	335
United States Patent and Trademark Office	Chemical	2				7				23		60	100	155,351
	Electrical and Physics	3				9				24		57	100	152,916
	Mechanical	8				19				39		71	100	251,303

[End of document]

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ANNEX H