

Supplementary exercises Topic 11 – Utilization of claims granted by different IPOs

Task 1: [WO2011107527A1](#)

Q: Which and how many office granted patents?

A: EP, AU, US, CN

Q: Compare the English language main claims with the main claim of the WO-A1. Are the differences of substantial nature? Which main claim is closest to the WO-A1 claims? Have the examiners considered different prior art not yet cited in the ISR? Which ISA prepared the ISR?

A: ISA was the EPO. The EP and AU examiner considered only the prior art cited in the ISR and cited by the applicant, the US examiner conducted a supplementary search. The AU-B2 main claim is very close to the WO-A1 main claim. The difference 'at least one' instead of 'a' is not substantial. The EP examiner has not introduced it. The removal of the field of use for the stripe is irrelevant for the scope of protection; The EPO examiner has kept it. He has, however, added the detail, that the hardened coating is structured in the form of indices. Some other detail was moved to the first part of the two part claim. Again this is irrelevant for the scope of protection.

Below you find the deconstructed view of the claims with highlighting of changes:

WO-A1

Thread or stripe,
preferably for the incorporation into or onto a value-document or currency substrate,
comprising
a plastic foil
which carries a hardened coating
comprising oriented magnetic or magnetizable pigment particles,
the orientation of said pigment particles representing graphic information,
the security thread or stripe being characterized in that
said graphic information is a repetitive seamless pattern of suitable repetition length.

AU-B2

Thread or stripe,
~~preferably for the incorporation into or onto a value-document or currency substrate,~~
comprising
a **at least one** plastic foil
which carries a hardened coating
comprising oriented magnetic or magnetizable pigment particles,
the orientation of said pigment particles representing graphic information,
the security thread or stripe being characterized in that
said graphic information is a repetitive seamless pattern of suitable repetition length.

EP-B1

Security thread or stripe,
preferably for the incorporation into or onto a value-document or currency substrate,
comprising
a **first** plastic foil

which carries a ~~hardened coating~~ **first imprinting** comprising oriented magnetic or magnetizable pigment particles, the orientation of said pigment particles representing graphic information, ~~the security thread or stripe being characterized in that~~ **wherein** ~~said graphic information is a repetitive seamless pattern of suitable repetition length,~~ the security thread or stripe being characterized in that ~~said graphic information is a repetitive seamless pattern of suitable repetition length~~ **said first imprinting is a hardened structured coating in the form of indicia.**

US-B2

A method for producing a security thread or stripe for incorporation into or onto a value document or a currency substrate, comprising:
coating a plastic foil with a coating composition comprising optically variable magnetic or magnetizable pigment particles;
orienting the magnetic or magnetizable pigment particles to represent graphic information;
hardening the oriented magnetic or magnetizable pigment particles coating to fix the magnetic or magnetizable pigment particles in their respective positions and orientations; and
slicing the plastic foil with the hardened into threads or stripes;
wherein the graphic information is produced with a magnetic orienting cylinder having a seamless and continuous repetitive magnetic field pattern having a repetition length.