

Title (en)

PAPER SUPPORT, SECURITY DOCUMENT WHICH COMPRISES SAME AND MANUFACTURING PROCESS

Title (de)

PAPIERTRÄGER, SICHERHEITSDOKUMENT DAMIT UND HERSTELLUNGSVERFAHREN

Title (fr)

SUPPORT PAPIER, DOCUMENT DE SECURITE QUI LE COMPREND ET PROCEDE DE FABRICATION

Publication

**EP 3688223 A1 20200805 (FR)**

Application

**EP 18782358 A 20180925**

Priority

- FR 1758867 A 20170926
- EP 2018075988 W 20180925

Abstract (en)

[origin: WO2019063560A1] The present invention relates in particular to a high-durability paper support for printing a security document, in particular a banknote, comprising cellulose fibres, in a proportion of at least 50% by weight relative to the total weight of the paper support in the dry state, additives and adjuvants, at least one binder, and which further comprises at least one oleophobic and hydrophobic agent based on an organic compound containing perfluoropolyethers (PFPE), in a concentration of greater than 0% and less than or equal to 5% by weight in the dry state relative to the total weight of the paper support in the dry state, characterized in that it furthermore comprises at least one non-fibrous structural reinforcing agent from the family of softening agents, i.e. agents that increase the flexibility of the cellulose fibres, in an amount of between 0.5% and 15% by weight relative to the total weight of the paper support in the dry state.

IPC 8 full level

**D21H 21/16** (2006.01); **D21H 17/45** (2006.01); **D21H 17/53** (2006.01); **D21H 21/18** (2006.01); **D21H 21/40** (2006.01)

CPC (source: EP)

**D21H 17/455** (2013.01); **D21H 17/53** (2013.01); **D21H 21/16** (2013.01); **D21H 21/18** (2013.01); **D21H 21/40** (2013.01)

Citation (search report)

See references of WO 2019063560A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**FR 3071518 A1 20190329**; **FR 3071518 B1 20191004**; EP 3688223 A1 20200805; EP 3688223 B1 20220216; WO 2019063560 A1 20190404

DOCDB simple family (application)

**FR 1758867 A 20170926**; EP 18782358 A 20180925; EP 2018075988 W 20180925