

Title (en)

ULTRA SMOOTH AND RECYCLABLE PRINTING SHEET AND ITS MANUFACTURING PROCESS

Title (de)

ULTRAGLATTES UND WIEDERVERWERTBARES AUFZEICHNUNGSBLATT UND SEIN HERSTELLUNGSVERFAHREN

Title (fr)

FEUILLE IMPRIMABLE ULTRA LISSE ET RECYCLABLE ET SON PROCÉDÉ DE FABRICATION

Publication

EP 2516741 A1 20121031 (FR)

Application

EP 10809308 A 20101222

Priority

- FR 0906325 A 20091223
- FR 2010052879 W 20101222

Abstract (en)

[origin: WO2011077048A1] Process for manufacturing a smooth, or even ultrasmooth, printable sheet comprising the steps consisting in: preparing a multilayer structure (12) comprising at least one lower plastic film (14), a non-stick intermediate layer (16), and a printable upper layer (18), sizing one face (30) of a substrate (24) or the upper face (28) of the printable layer, and applying the substrate to the printable layer, in order to laminate them, then removing the plastic film from the printable layer, this printable layer (18) defining, on the sheet, a smooth or ultrasmooth face (22).

IPC 8 full level

D21H 27/22 (2006.01); **B41M 5/40** (2006.01); **B41M 5/50** (2006.01); **B41M 5/52** (2006.01); **D21H 19/00** (2006.01); **D21H 19/36** (2006.01); **D21H 19/66** (2006.01); **D21H 19/80** (2006.01); **D21H 23/10** (2006.01); **D21H 23/22** (2006.01); **D21H 23/66** (2006.01); **D21H 23/70** (2006.01); **D21H 23/72** (2006.01); **D21H 27/00** (2006.01)

CPC (source: EP US)

B41M 5/52 (2013.01 - EP US); **D21H 19/00** (2013.01 - EP US); **D21H 19/36** (2013.01 - EP US); **D21H 19/66** (2013.01 - EP US); **D21H 19/80** (2013.01 - EP US); **D21H 23/10** (2013.01 - EP US); **D21H 23/22** (2013.01 - EP US); **D21H 23/66** (2013.01 - EP US); **D21H 23/70** (2013.01 - EP US); **D21H 23/72** (2013.01 - EP US); **D21H 27/001** (2013.01 - EP US); **D21H 27/004** (2013.01 - EP US); **D21H 27/22** (2013.01 - EP US); **Y10T 29/49117** (2015.01 - EP US); **Y10T 428/24355** (2015.01 - EP US)

Citation (search report)

See references of WO 2011077048A1

Cited by

WO2017085085A1; EP3187322A1; US11052584B2

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

DOCDB simple family (publication)

FR 2954361 A1 20110624; **FR 2954361 B1 20120615**; BR 112012015134 A2 20160621; CA 2785183 A1 20110630; CA 2785183 C 20170801; CN 102666989 A 20120912; CN 102666989 B 20151125; EP 2516741 A1 20121031; EP 2516741 B1 20140806; EP 2516741 B2 20210512; ES 2517365 T3 20141103; ES 2517365 T5 20211214; HK 1173478 A1 20130516; IN 5032DEN2012 A 20151002; JP 2013515628 A 20130509; JP 2016106183 A 20160616; JP 5890317 B2 20160322; JP 6218795 B2 20171025; KR 101970770 B1 20190827; KR 20120125406 A 20121114; RU 2012122864 A 20140127; RU 2538581 C2 20150110; US 2012308744 A1 20121206; US 9416495 B2 20160816; WO 2011077048 A1 20110630; ZA 201203884 B 20130131

DOCDB simple family (application)

FR 0906325 A 20091223; BR 112012015134 A 20101222; CA 2785183 A 20101222; CN 201080059381 A 20101222; EP 10809308 A 20101222; ES 10809308 T 20101222; FR 2010052879 W 20101222; HK 12112872 A 20121213; IN 5032DEN2012 A 20120607; JP 2012545398 A 20101222; JP 2015232020 A 20151127; KR 20127019337 A 20101222; RU 2012122864 A 20101222; US 201013515471 A 20101222; ZA 201203884 A 20120528