

Title (en)  
Sand-effect paper material and corresponding manufacturing method

Title (de)  
Sandeffektpapiermaterial und entsprechendes Herstellungsverfahren

Title (fr)  
Structure cellulaire pour panneau à double courbure

Publication  
**EP 2520709 B1 20160330 (EN)**

Application  
**EP 12167036 A 20120507**

Priority  
IT MI20110779 A 20110506

Abstract (en)  
[origin: EP2520709A1] A sand-effect paper material comprises a substrate, formed by a mixture of cellulose fibres and containing at least one polymeric substance (comprising, for example, one or more colophony-based and/or alkyl-ketene-dimer-based and/or epichlorohydrin-based resins, and/or modified starches, etc.), apt to bestow strength on the mixture of fibres, and an inorganic filler (for example, a mineral filler of a carbonate type, kaolin, talc, etc.); the paper material has at least one surface treated with at least one surface adhesive and provided with a glossy coating formed by one or more binding polymers and/or waxes, mixed with pigments, so that the paper material has a sand-like feel.

IPC 8 full level  
**D21H 13/00** (2006.01); **D21H 19/40** (2006.01); **D21H 19/82** (2006.01)

CPC (source: EP)  
**D21H 19/40** (2013.01); **D21H 19/44** (2013.01); **D21H 19/66** (2013.01)

Cited by  
CN104674596A; ITMI20130979A1; ITUA20161829A1; ITUB20160512A1; CN109072562A; IT202100032753A1; WO2014198780A1; WO2017134071A1; WO2017158182A1; US9777143B2; US10696837B2; WO2023126083A1; US9777129B2; US10597501B2

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)  
**EP 2520709 A1 20121107**; **EP 2520709 B1 20160330**; ES 2579057 T3 20160804; IT MI20110779 A1 20121107; PT 2520709 T 20160711

DOCDB simple family (application)  
**EP 12167036 A 20120507**; ES 12167036 T 20120507; IT MI20110779 A 20110506; PT 12167036 T 20120507