

Title (en)  
SHEET OF WRINKLE-RESISTANT PAPER

Title (de)  
FOLIE AUS FALTENFREIEM PAPIER

Title (fr)  
FEUILLE DE PAPIER RESISTANTE AU FROISSEMENT

Publication  
**EP 2794989 B1 20151216 (FR)**

Application  
**EP 12824715 A 20121221**

Priority  
• FR 1162208 A 20111221  
• IB 2012057597 W 20121221

Abstract (en)  
[origin: WO2013093872A1] The invention relates to a sheet of paper having high resistance to wrinkling and folding, in particular for the production of banknotes, comprising a fibrous substrate impregnated, at the core thereof, with at least one hydroxylated polymer binder, characterised in that said binder and the fibres of said substrate are at least partially covalently bonded to at least one siloxane derivative. The invention also relates to a method for manufacturing said sheet of paper and to the implementation of a silanol derivative involved in said manufacturing method as an agent for rendering said hydroxylated polymer binder insoluble. The invention further relates to a multilayer structure including said sheet of paper.

IPC 8 full level  
**D21H 17/13** (2006.01); **B42D 15/00** (2006.01); **D21H 17/18** (2006.01); **D21H 17/20** (2006.01)

CPC (source: EP)  
**D21H 17/13** (2013.01); **D21H 17/18** (2013.01); **D21H 17/20** (2013.01); **B42D 25/29** (2014.10)

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)  
**WO 2013093872 A1 20130627**; EP 2794989 A1 20141029; EP 2794989 B1 20151216; ES 2562905 T3 20160309; FR 2984926 A1 20130628; FR 2984926 B1 20140221; PL 2794989 T3 20160630; SI 2794989 T1 20160331

DOCDB simple family (application)  
**IB 2012057597 W 20121221**; EP 12824715 A 20121221; ES 12824715 T 20121221; FR 1162208 A 20111221; PL 12824715 T 20121221; SI 201230461 T 20121221