

Title (en)

METHOD FOR PRODUCING PAPER, PAPERBOARD AND CARDBOARD WITH A HIGH DRY STRENGTH

Title (de)

VERFAHREN ZUR HERSTELLUNG VON PAPIER, PAPPE UND KARTON MIT HOHER TROCKENFESTIGKEIT

Title (fr)

PROCÉDÉ DE PRODUCTION DE PAPIER, DE CARTON-PÂTE, ET DE CARTON PRÉSENTANT UNE RÉSISTANCE À SEC ÉLEVÉE

Publication

**EP 2288750 B1 20120905 (DE)**

Application

**EP 09745789 A 20090514**

Priority

- EP 2009055837 W 20090514
- EP 08156244 A 20080515
- EP 09150237 A 20090108
- EP 09745789 A 20090514

Abstract (en)

[origin: WO2009138457A1] Method for producing paper, paperboard and cardboard with a high dry strength through the separate addition of a water-soluble cationic polymer and an aqueous dispersion of a water-insoluble polymer with an acid group fraction of no more than 10 Mol-% or an anionically adjusted aqueous dispersion of a non-ionic polymer to a paper pulp, dewatering the paper pulp and drying the paper product. It is preferable for the polymers to be added to a paper pulp that has a temperature of at least 40 °C.

IPC 8 full level

**D21H 17/42** (2006.01); **D21H 17/44** (2006.01); **D21H 21/18** (2006.01)

CPC (source: EP US)

**D21H 17/42** (2013.01 - EP US); **D21H 17/44** (2013.01 - EP US); **D21H 21/18** (2013.01 - EP US)

Designated contracting state (EPC)

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 SE SI SK TR

DOCDB simple family (publication)

**WO 2009138457 A1 20091119**; CA 2722237 A1 20091119; CN 102027170 A 20110420; CN 102027170 B 20121121; EP 2288750 A1 20110302; EP 2288750 B1 20120905; JP 2011521114 A 20110721; KR 20110013480 A 20110209; PT 2288750 E 20120926; US 2011048660 A1 20110303; US 8597466 B2 20131203

DOCDB simple family (application)

**EP 2009055837 W 20090514**; CA 2722237 A 20090514; CN 200980117119 A 20090514; EP 09745789 A 20090514; JP 2011508920 A 20090514; KR 20107028112 A 20090514; PT 09745789 T 20090514; US 99076309 A 20090514