

Title (en)
CAST-COATED PAPER

Title (de)
GUSSBESCHICHTETES PAPIER

Title (fr)
PAPIER ENDUIT PAR COULAGE

Publication
EP 2042656 A4 20121121 (EN)

Application
EP 07744891 A 20070607

Priority

- JP 2007061563 W 20070607
- JP 2006159104 A 20060607
- JP 2006211559 A 20060803
- JP 2006244869 A 20060908
- JP 2007080402 A 20070327
- JP 2007149476 A 20070605

Abstract (en)
[origin: EP2042656A1] The present invention aims to provide a cast-coated paper having good coated paper quality and printability combined with the property of decomposing hazardous substances upon exposure to light. A cast-coated paper prepared by applying a cast-coating layer based on a pigment and a binder on a base paper and finished by pressing the cast-coating layer in the wet state against a heated cast drum surface and drying it, wherein the cast-coating layer contains 1 - 30 parts by weight of titanium dioxide having an average secondary particle diameter of 300 - 2000 nm per 100 parts by weight of the pigment and the titanium dioxide is premixed with a silica sol or alumina sol at a ratio of the titanium dioxide to the silica sol or alumina sol of 2:1 - 1:2.

IPC 8 full level
D21H 19/36 (2006.01); **D21H 19/38** (2006.01); **D21H 19/80** (2006.01); **D21H 19/84** (2006.01); **D21H 25/14** (2006.01)

CPC (source: EP US)
D21H 19/36 (2013.01 - EP US); **D21H 19/38** (2013.01 - EP US); **D21H 19/385** (2013.01 - EP US); **D21H 19/40** (2013.01 - EP US); **D21H 19/56** (2013.01 - EP US); **D21H 19/80** (2013.01 - EP US); **D21H 19/84** (2013.01 - EP US); **D21H 25/14** (2013.01 - EP US); **D21H 19/50** (2013.01 - EP US); **D21H 19/54** (2013.01 - EP US); **D21H 19/66** (2013.01 - EP US); **D21H 21/52** (2013.01 - EP US); **Y10T 428/25** (2015.01 - EP US)

Citation (search report)

- [E] EP 1961863 A1 20080827 - JUJO PAPER CO LTD [JP]
- See references of WO 2007142302A1

Designated contracting state (EPC)
DE FI IT

DOCDB simple family (publication)
EP 2042656 A1 20090401; **EP 2042656 A4 20121121**; CN 101490338 A 20090722; CN 101490338 B 20111012; US 2012043372 A1 20120223; WO 2007142302 A1 20071213

DOCDB simple family (application)
EP 07744891 A 20070607; CN 200780026917 A 20070607; JP 2007061563 W 20070607; US 30339207 A 20070607