

Title (en)

A PAPER SUBSTRATE HAVING ENHANCED PRINT DENSITY

Title (de)

PAPIERSUBSTRAT MIT VERBESSERTER DRUCKDICHTHE

Title (fr)

SUBSTRAT EN PAPIER PRESENTANT UNE DENSITE D'IMPRESSION ACCRUE

Publication

**EP 1951955 A1 20080806 (EN)**

Application

**EP 06827277 A 20061101**

Priority

- US 2006042645 W 20061101
- US 73282805 P 20051101

Abstract (en)

[origin: WO2007053681A1] The present invention relates to a sizing composition that, when applied to paper substrate, creates a substrate, preferably suitable for inkjet printing, having increased print density, print sharpness, low HST, and/or image dry time, the substrate preferably having high brightness and reduced color-to-color bleed as well. In addition, the present invention relates to a method of reducing the HST of a paper substrate by applying the sizing composition to at least one surface thereof. Further, the application relates to methods of making and using the sizing composition, as well as methods of making and using the paper containing the sizing composition.

IPC 8 full level

**D21H 21/16** (2006.01); **D21H 17/07** (2006.01); **D21H 17/28** (2006.01); **D21H 17/36** (2006.01); **D21H 17/45** (2006.01); **D21H 19/44** (2006.01); **D21H 21/18** (2006.01); **D21H 21/30** (2006.01)

CPC (source: EP)

**D21H 21/16** (2013.01); **D21H 21/18** (2013.01); **D21H 17/07** (2013.01); **D21H 17/28** (2013.01); **D21H 17/36** (2013.01); **D21H 17/45** (2013.01); **D21H 19/44** (2013.01); **D21H 21/30** (2013.01)

Citation (search report)

See references of WO 2007053681A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

**WO 2007053681 A1 20070510**; BR PI0619648 A2 20111004; BR PI0619648 B1 20171107; CA 2627050 A1 20070510; CA 2627050 C 20130514; CN 101351596 A 20090121; EP 1951955 A1 20080806; EP 1951955 B1 20130102; EP 2511419 A1 20121017; EP 2511419 B1 20140108; ES 2402210 T3 20130429; ES 2455616 T3 20140416; JP 2009513843 A 20090402; JP 4995831 B2 20120808; MX 339400 B 20160524; MX 358994 B 20180911; PL 1951955 T3 20130628; PL 2511419 T3 20140630; PT 1951955 E 20130401; PT 2511419 E 20140407; RU 2008121128 A 20091210

DOCDB simple family (application)

**US 2006042645 W 20061101**; BR PI0619648 A 20061101; CA 2627050 A 20061101; CN 200680049788 A 20061101; EP 06827277 A 20061101; EP 12002601 A 20061101; ES 06827277 T 20061101; ES 12002601 T 20061101; JP 2008538995 A 20061101; MX 2013001932 A 20080430; MX 2015017578 A 20061101; PL 06827277 T 20061101; PL 12002601 T 20061101; PT 06827277 T 20061101; PT 12002601 T 20061101; RU 2008121128 A 20061101