

Title (en)

MULTIFUNCTIONALLY USABLE COATING DISPERSION FOR PRINTING SUBSTRATES

Title (de)

MULTIFUNKTIONAL EINSETZBARE STREICHFARBENDISPERSION FÜR DRUCKTRÄGER

Title (fr)

DISPERSION DE REVETEMENT UTILISABLE DE MANIERE MULTIFONCTIONNELLE POUR DES SUBSTRATS D'IMPRESSION

Publication

EP 1597432 B1 20060719 (DE)

Application

EP 03773607 A 20030814

Priority

- EP 0309038 W 20030814
- DE 10307494 A 20030221

Abstract (en)

[origin: US2006235129A1] The disclosure relates to a coating dispersion for coating printing substrates, especially paper and paperboard. Said dispersion is constituted of at least one defined percentage of water, a defined percentage of a swellable phyllosilicate and a defined percentage of a cross-linking agent. The cross-linking agent forms a bond with at least one functional group of the phyllosilicate as well as with at least one functional group of the printing substrate. The invention also relates to a method for producing a coated printing substrate onto which a coating dispersion is mechanically applied and dried, whereby the coating dispersion comprises at least the aforementioned components.

IPC 8 full level

D21H 19/36 (2006.01); **D21H 19/40** (2006.01); **D21H 19/44** (2006.01)

CPC (source: EP US)

D21H 19/36 (2013.01 - EP US); **D21H 19/40** (2013.01 - EP US); **D21H 19/44** (2013.01 - EP US)

Designated contracting state (EPC)

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

DOCDB simple family (publication)

US 2006235129 A1 20061019; AT E333533 T1 20060815; AU 2003282001 A1 20040909; DE 10307494 A1 20040902; DE 50304316 D1 20060831; EP 1597432 A1 20051123; EP 1597432 B1 20060719; WO 2004074576 A1 20040902

DOCDB simple family (application)

US 54641905 A 20051222; AT 03773607 T 20030814; AU 2003282001 A 20030814; DE 10307494 A 20030221; DE 50304316 T 20030814; EP 0309038 W 20030814; EP 03773607 A 20030814