

Title (en)

INK-JET RECORDING MEDIUM FOR DYE- OR PIGMENT-BASED INK-JET INKS

Title (de)

TINTENSTRAHLAUFEICHNUNGSMEDIUM FÜR TINTENSTRAHLFARBEN AUF FARB- ODER PIGMENTBASIS

Title (fr)

SUPPORT D'ENREGISTREMENT PAR JET D'ENCRE UTILISANT DES ENCRE D'IMPRESSION AU JET D'ENCRE A COLORANT OU PIGMENT

Publication

EP 1748899 B1 20120201 (EN)

Application

EP 05755190 A 20050524

Priority

- US 2005018296 W 20050524
- US 85435004 A 20040526
- US 11010605 A 20050419

Abstract (en)

[origin: WO2005118303A2] The present invention is drawn to a method of preparing a porous media substrate, comprising combining metal or semi-metal oxide particulates with a polymeric binder, wherein the metal or semi-metal oxide particulates are associated with at least one water soluble coating formulation additive. At least a portion of the water soluble coating formulation additive i) is in the form of unreacted additive, or ii) generates undesired electrolytes. Additional steps include removing at least a portion of the unreacted additive or undesired electrolytes, either before or after combining the metal or semi-metal oxide particulates with the polymeric binder, thereby forming a refined coating composition; and applying the refined coating composition to a media substrate to form an ink-receiving layer having a porous surface.

IPC 8 full level

B41M 5/52 (2006.01); **B41M 5/00** (2006.01); **B41M 5/50** (2006.01)

IPC 8 main group level

B41M (2006.01)

CPC (source: EP)

B41M 5/52 (2013.01); **B41M 5/508** (2013.01); **B41M 5/5218** (2013.01); **B41M 5/5227** (2013.01); **B41M 5/5254** (2013.01); **B41M 2205/12** (2013.01)

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 MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

WO 2005118303 A2 20051215; **WO 2005118303 A3 20060202**; EP 1748899 A2 20070207; EP 1748899 B1 20120201; JP 2008500207 A 20080110

DOCDB simple family (application)

US 2005018296 W 20050524; EP 05755190 A 20050524; JP 2007515284 A 20050524