

Title (en)  
PAPER FOR INK JET PRINTING

Title (de)  
PAPIER FÜR TINTENSTRAHLDRUCK

Title (fr)  
PAPIER POUR IMPRESSION À JET D'ENCRE

Publication  
**EP 2170618 B1 20151021 (EN)**

Application  
**EP 08784771 A 20080715**

Priority  

- EP 2008005763 W 20080715
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- EP 08784771 A 20080715

Abstract (en)  
[origin: WO2009012912A1] An ink jet paper as well as a method for its manufacture is disclosed comprising at least one image receiving coating layer and at least one pre-coat layer beneath said image receiving coating layer on a paper substrate, wherein the pre-coat layer comprises 100 parts in dry weight of a pigment part consisting of 20-75 parts in dry weight of a fine particulate calcium carbonate and/or kaolin; 10 - 70 parts in dry weight of at least one fine particulate silica and/or of a fine particulate ground calcium carbonate with surface and internal structure modification as a result of treatment with one or more medium to strong H<sub>3</sub>O<sup>+</sup> ion providers and optionally with additional treatment of gaseous carbon dioxide; and 0 - 30 parts of additional fine particulate pigments 4 - 20 parts in dry weight of a binder part 0-6 parts in dry weight of additives; and the image receiving coating layer comprises 100 parts in dry weight of a pigment part consisting of 50 - 100 parts in dry weight of at least one fine particulate silica; 0 - 50 parts in dry weight of a fine particulate polymer pigment; and 0 - 30 parts of additional fine particulate pigments 2 - 10 parts in dry weight of a binder 0-3 parts in dry weight of additives.

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CPC (source: EP)  
**B41M 5/506** (2013.01); **B41M 5/5218** (2013.01)

Citation (opposition)  
Opponent : Dr. Bernd Aechter  

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- US 5985424 A 19991116 - DEMATTE MICHAEL L [US], et al
- US 2007134450 A1 20070614 - CAMPBELL BRUCE C [US], et al
- EP 0938980 A2 19990901 - OJI PAPER CO [JP]
- WO 2009012912 A1 20090129 - SAPPI NETHERLANDS SERVICES BV [NL], et al
- NEWCHEM CORPORATION: "Newrane 4400 Ink Jet Receptive Top Coat", PRODUCT SHEET, 2005, pages 1, XP003035194, Retrieved from the Internet <URL:http://www.newchem.com/n4000.htm>
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