

(19)



(11)

EP 1 816 260 A3

(12)

EUROPEAN PATENT APPLICATION

(88) Date of publication A3:
30.06.2010 Bulletin 2010/26

(51) Int Cl.:
D21H 23/72 (2006.01) **D21H 19/84** (2006.01)
D21H 19/82 (2006.01) **D21H 19/36** (2006.01)

(43) Date of publication A2:
08.08.2007 Bulletin 2007/32

(21) Application number: **06016172.6**

(22) Date of filing: **03.08.2006**

(84) Designated Contracting States:
**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**
Designated Extension States:
AL BA HR MK RS

(30) Priority: **04.01.2006 IT RM20060004**

(71) Applicant: **Cartiere del garda S.p.A.**
38066 Riva del Garda TN (IT)

(72) Inventor: **Mattei, Paolo**
38066 Riva del Garda (TN) (IT)

(74) Representative: **Capasso, Olga et al**
de Simone & Partners SpA
Via V.Bellini 20
00198 Roma (IT)

(54) **Process for the production of wood-free gloss coated paper**

(57) A process for the production of wood-free gloss coated paper with good printability including a stage of preparation of the fibrous substrate and a stage of coating, characterised by the fact that said coating stage includes the application of at least four successive layers

of coating to both sides the paper; and by the fact that subsequently to the application of the last layer of coating, the paper goes to a preparation stage, omitting a calendering stage.

EP 1 816 260 A3



EUROPEAN SEARCH REPORT

Application Number
EP 06 01 6172

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
X	WO 03/056102 A1 (METSO PAPER INC [FI]; FORS STEFAN [FI]; GROEN JOHAN [FI]; RAUTIAINEN P) 10 July 2003 (2003-07-10) * page 6, lines 3-7; claims 1-15; figures 1-2 *	1-6	INV. D21H23/72 D21H19/84
A	US 2004/058098 A1 (KONDO YUJI [JP] ET AL) 25 March 2004 (2004-03-25) * claims 1-26; figure 3 *	1-11	ADD. D21H19/82 D21H19/36
A	WO 01/54828 A1 (TETRA LAVAL HOLDINGS & FINANCE [CH]; BERLIN MIKAEL [SE]; BENTMAR MATS) 2 August 2001 (2001-08-02) * the whole document *	1-11	
A	EP 0 734 881 A1 (JUJO PAPER CO LTD [JP]) 2 October 1996 (1996-10-02) * the whole document *	1-11	
A	US 2002/119265 A1 (SWOBODA DEAN P [US] ET AL) 29 August 2002 (2002-08-29) * the whole document *	1-11	TECHNICAL FIELDS SEARCHED (IPC)
A	US 6 171 702 B1 (MALHOTRA SHADI L [CA] ET AL) 9 January 2001 (2001-01-09) * the whole document *	1-11	D21H
A	EP 1 371 778 A1 (OJI PAPER CO [JP]) 17 December 2003 (2003-12-17) * the whole document *	1-11	
A	EP 0 501 441 A2 (OJI YUKA GOSEISHI KK [JP]) 2 September 1992 (1992-09-02) * the whole document *	1-11	
The present search report has been drawn up for all claims			
Place of search Munich		Date of completion of the search 20 May 2010	Examiner Karlsson, Lennart
<p>CATEGORY OF CITED DOCUMENTS</p> <p>X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document</p> <p>T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document</p>			

 2
EPO FORM 1503 03/02 (P04C01)

**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

EP 06 01 6172

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on
The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

20-05-2010

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
W0 03056102	A1	10-07-2003	AT 462836 T	15-04-2010
			AU 2002346769 A1	15-07-2003
			CA 2469065 A1	10-07-2003
			CN 1617965 A	18-05-2005
			EP 1454016 A1	08-09-2004
			FI 110957 B1	30-04-2003
			JP 4413010 B2	10-02-2010
			JP 2005513302 T	12-05-2005
			US 2005089641 A1	28-04-2005

US 2004058098	A1	25-03-2004	AU 2003241942 A1	19-12-2003
			CN 1659039 A	24-08-2005
			EP 1510354 A1	02-03-2005
			WO 03101746 A1	11-12-2003
			JP 4218967 B2	04-02-2009
			US 2006141176 A1	29-06-2006

W0 0154828	A1	02-08-2001	AT 428510 T	15-05-2009
			AU 777042 B2	30-09-2004
			AU 3066901 A	07-08-2001
			BR 0107904 A	10-12-2002
			CN 1419479 A	21-05-2003
			EP 1255615 A1	13-11-2002
			JP 2003520700 T	08-07-2003
			MX PA02007234 A	12-02-2003
			SE 515824 C2	15-10-2001
			SE 0000233 A	27-07-2001
			TW 550168 B	01-09-2003
			US 2003003197 A1	02-01-2003

EP 0734881	A1	02-10-1996	AU 692077 B2	28-05-1998
			AU 5036396 A	10-10-1996
			DE 69603396 D1	02-09-1999
			DE 69603396 T2	20-01-2000
			JP 2840042 B2	24-12-1998
			JP 8260382 A	08-10-1996
			US 5753082 A	19-05-1998

US 2002119265	A1	29-08-2002	CA 2366074 A1	21-06-2002
			US 2005019512 A1	27-01-2005

US 6171702	B1	09-01-2001	NONE	

EP 1371778	A1	17-12-2003	CN 1480789 A	10-03-2004
			DE 60308448 T2	13-09-2007
			US 2004001963 A1	01-01-2004

EPO FORM P0459

For more details about this annex : see Official Journal of the European Patent Office, No. 12/82

**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

EP 06 01 6172

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.
The members are as contained in the European Patent Office EDP file on
The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

20-05-2010

Patent document cited in search report		Publication date		Patent family member(s)	Publication date
EP 0501441	A2	02-09-1992	DE	69214485 D1	21-11-1996
			DE	69214485 T2	27-03-1997
			JP	5064862 A	19-03-1993
			US	5233924 A	10-08-1993
