



(11) **EP 1 923 342 A3**

(12) **EUROPEAN PATENT APPLICATION**

(88) Date of publication A3:
15.07.2009 Bulletin 2009/29

(51) Int Cl.:
B65H 19/22 (2006.01) B65H 19/28 (2006.01)
B65H 19/30 (2006.01)

(43) Date of publication A2:
21.05.2008 Bulletin 2008/21

(21) Application number: **07120594.2**

(22) Date of filing: **13.11.2007**

(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 MT NL PL PT RO SE SI SK TR
Designated Extension States:
AL BA HR MK RS

(71) Applicant: **Gambini, Giovanni**
56100 Pisa (IT)

(72) Inventor: **Gambini, Giovanni**
56100 Pisa (IT)

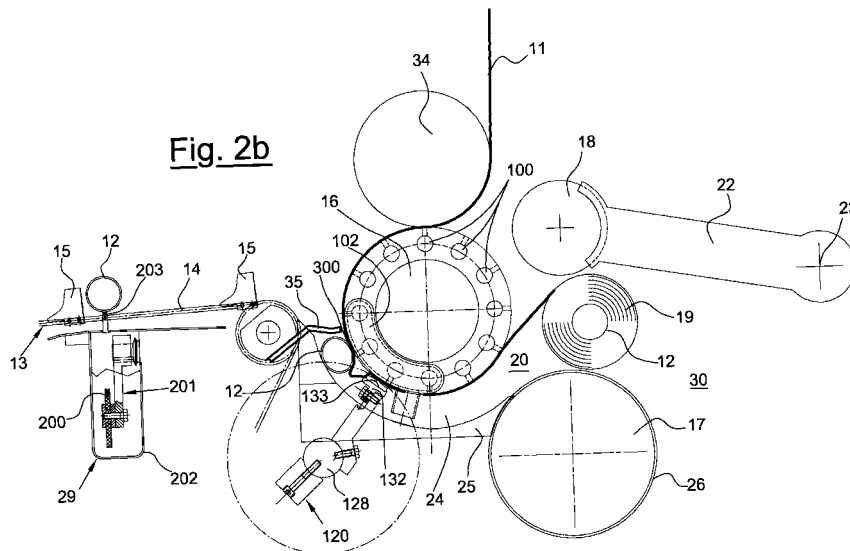
(30) Priority: **15.11.2006 IT MI20060395 U**

(74) Representative: **De Gregori, Antonella et al**
Ing. Barzano' & Zanardo Milano S.p.A.
Via Borgonuovo 10
20121 Milano (IT)

(54) **Rereeling machine for rereeling and forming a roll of paper**

(57) An improved rereeling machine (10) for rereeling and forming a roll of paper comprising three rollers (16, 17, 18) with axes parallel to one another and perpendicular to the direction of movement of the paper (11), wherein two upper and lower winding rollers (16, 17) collaborate with a third roller (18), connected by a pair of arms (22) that are able to oscillate, suitable for keeping a certain pressure on a roll, or log, to form a finished roll (19), which comes out from said machine (10) through an outlet port (30) defined between said lower winding rollers (17) and said third roller (18), through winding of said paper (11), which passes onto said upper winding

roller (16), about a core (12), said machine (10) also comprising a conveyor with thrusters (15) upstream of said three rollers (16, 17, 18) for the introduction of said cores (12) one after the other into a channel (24) formed below said upper roller (16), a rotary thruster (35) suitable for making said cores (12) proceed in said channel (24), a glue dispensing group (29) upstream of said channel (24), and a stop element (120) for at least partially stopping the paper (11), defined in an area inside said channel (24), which collaborates with said upper roller (16), on which it acts rotating about a pin (128) thereof, wherein said upper roller (16) is of the suction type.



EP 1 923 342 A3



EUROPEAN SEARCH REPORT

Application Number
EP 07 12 0594

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
Y	WO 2004/005172 A (PERINI FABIO SPA [IT]; BIAGIOTTI GUGLIELMO [IT]; GELLI MAURO [IT]) 15 January 2004 (2004-01-15) * page 1, lines 5-10 * * page 5, line 10 - page 6, line 29 * * figures 1,2 *	1,2,4-10	INV. B65H19/22 B65H19/28 B65H19/30
Y	US 2005/279875 A1 (BIAGIOTTI GUGLIELMO [IT] ET AL) 22 December 2005 (2005-12-22) * paragraphs [0014], [0015], [0038], [0040], [0043] - [0045], [0055] * * figures 1-5 *	1,2,4-10	
A	WO 2004/005173 A (PERINI FABIO [IT]) 15 January 2004 (2004-01-15) * page 5, lines 5-10 * * page 6, line 25 - page 7, line 23 * * page 10, lines 12-26 * * page 11, line 28 - page 12, line 3 * * figures 1,6,11,12,17-22 *	4,5	
A	WO 2004/035441 A (PERINI FABIO SPA [IT]; MADDALENI ROMANO [IT]; MORELLI ROBERTO [IT]; GE) 29 April 2004 (2004-04-29) * page 7, lines 8-25 * * figures 1-3 *	4	
			TECHNICAL FIELDS SEARCHED (IPC)
			B65H
The present search report has been drawn up for all claims			
Place of search The Hague		Date of completion of the search 28 May 2009	Examiner Cescutti, Gabriel
CATEGORY OF CITED DOCUMENTS 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		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	

1
EPO FORM 1503 03/02 (P04/C01)

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

EP 07 12 0594

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.

28-05-2009

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 2004005172	A	15-01-2004	AT 350322 T	15-01-2007
			AU 2003281224 A1	23-01-2004
			BR 0312553 A	26-04-2005
			CA 2492055 A1	15-01-2004
			CN 1665734 A	07-09-2005
			DE 60310943 T2	11-10-2007
			EP 1525148 A1	27-04-2005
			ES 2279131 T3	16-08-2007
			IT FI20020122 A1	09-01-2004
			JP 2006504596 T	09-02-2006
			KR 20050058323 A	16-06-2005
			RU 2315705 C2	27-01-2008
			US 2006011767 A1	19-01-2006
US 2007095967 A1	03-05-2007			

US 2005279875	A1	22-12-2005	NONE	

WO 2004005173	A	15-01-2004	AT 323052 T	15-04-2006
			AU 2003281222 A1	23-01-2004
			BR 0306598 A	30-11-2004
			CN 1642835 A	20-07-2005
			DE 60304576 T2	05-04-2007
			EP 1519886 A1	06-04-2005
			ES 2257683 T3	01-08-2006
			IT FI20020119 A1	08-01-2004
			JP 4246148 B2	02-04-2009
			JP 2005532238 T	27-10-2005
			RU 2293700 C2	20-02-2007
			US 2004256513 A1	23-12-2004
			US 2007023562 A1	01-02-2007

WO 2004035441	A	29-04-2004	AU 2003279549 A1	04-05-2004
			BR 0315331 A	16-08-2005
			CA 2501185 A1	29-04-2004
			CN 1705604 A	07-12-2005
			DE 60317813 T2	13-03-2008
			EP 1551740 A1	13-07-2005
			ES 2295659 T3	16-04-2008
			JP 2006502931 T	26-01-2006
			KR 20050074483 A	18-07-2005
			RU 2326044 C2	10-06-2008
			US 2005258298 A1	24-11-2005
			ZA 200502540 A	12-10-2005

EPO FORM P0458

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