



(12) **EUROPEAN PATENT APPLICATION**

(88) Date of publication A3:
27.04.2016 Bulletin 2016/17

(51) Int Cl.:
B65H 19/12 (2006.01)

(43) Date of publication A2:
23.09.2015 Bulletin 2015/39

(21) Application number: **15157041.3**

(22) Date of filing: **27.02.2015**

(84) Designated Contracting States:
**AL AT BE BG CH CY CZ DE DK EE ES FI FR GB
GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO
PL PT RO RS SE SI SK SM TR**
Designated Extension States:
BA ME

(30) Priority: **04.03.2014 IT BO20140105**

(71) Applicant: **CEFLA SOCIETA' COOPERATIVA
40026 Imola (BO) (IT)**

(72) Inventors:
• **Chiarini, Stefano**
I-48017 CONSELICE, Province of Ravenna (IT)
• **Pungetti, Cristian**
**I-40064 OZZANO DELL'EMILIA, Province of
Bologna (IT)**

(74) Representative: **Porsia, Attilio**
Via Caffaro 3/2
16124 Genova (IT)

(54) **System for the conveyance and the support of rolls of flexible basically flat material for supplying a processing machine**

(57) System and method for supporting and conveying rolls of flexible basically flat material for supplying machines for industrial processing, said system comprising:

- a. a trolley (16), removable from the machine supplied by the roll itself, for the support of rolls, comprising: a shaft (17) to support said roll (14, 15), a frame (18),
b. an active pivoting assembly (30), allowing the hooking of trolley (16) to the machine supplied by the trolley, aid assembly comprising a frame (31), a connecting flange (29), a rotating hub (34) and a connecting platform (35),
characterized in that

said trolley (16) becomes active through to the connection to electric and/or pneumatic supply, realized fastening said trolley (16) to said pivoting assembly (30) and to said connecting flange (29).

Method for replacing rolls (14, 15) supplying machines for industrial processing, comprising a trolley (16) removable from the machine for the support of rolls, further comprising the following steps:

- a. interrupting the supplying of the flexible basically flat material to the machine supplied by the roll itself; said supplying occurs keeping trolley (16) shaft (17) in a given direction, generally perpendicular to the moving forward direction of the flexible basically flat material;

characterized in that

- b. said trolley (16) is extracted from the machine firstly rotating it thanks to the rotating hub (34) and then sliding it within pivoting assembly (30); said extraction occurs forming an angle equal or smaller than 60° between said shaft (17) of trolley and shaft (17) direction during step a).

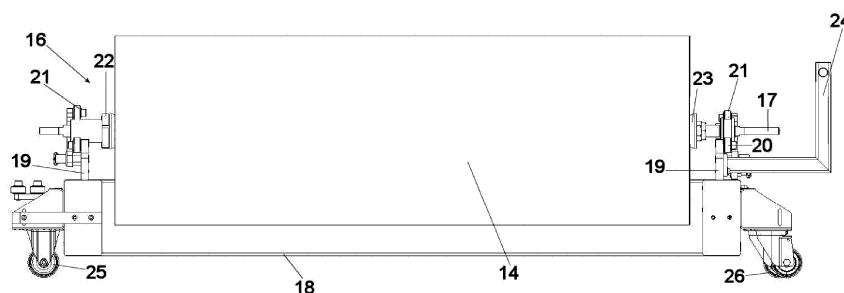


FIG. 5



EUROPEAN SEARCH REPORT

Application Number
EP 15 15 7041

5

10

15

20

25

30

35

40

45

50

55

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
A	US 4 557 716 A (OTTAVIANO GARY W [US]) 10 December 1985 (1985-12-10) * column 5, line 21 - line 49 *	1,7	INV. B65H19/12
A	US 5 941 474 A (CUSHING DARRELL D [US]) 24 August 1999 (1999-08-24) * column 16, line 45 - column 17, line 8 * * column 19, line 17 - line 56 * * column 25, line 51 - column 27, line 54; figures 1-8 *	1,7	
A	US 5 941 475 A (GENTRY JR WILLIAM J [US]) 24 August 1999 (1999-08-24) * column 5, line 21 - line 49; figures *	1,7	
A	EP 1 211 554 A1 (FUJI PHOTO FILM CO LTD [JP]) 5 June 2002 (2002-06-05) * paragraph [0014]; figure 1 *	1,7	
			TECHNICAL FIELDS SEARCHED (IPC)
			B65H
The present search report has been drawn up for all claims			
Place of search		Date of completion of the search	Examiner
The Hague		21 March 2016	Haaken, Willy
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			

EPO FORM 1503 03/82 (P04C01)

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

EP 15 15 7041

5 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.

21-03-2016

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 4557716 A	10-12-1985	CA 1220064 A US 4557716 A	07-04-1987 10-12-1985
US 5941474 A	24-08-1999	NONE	
US 5941475 A	24-08-1999	NONE	
EP 1211554 A1	05-06-2002	AT 300756 T CN 1357486 A DE 60112226 D1 DE 60112226 T2 EP 1211554 A1 JP 2002234643 A US 2002067979 A1	15-08-2005 10-07-2002 01-09-2005 20-04-2006 05-06-2002 23-08-2002 06-06-2002