



(12) **EUROPEAN PATENT APPLICATION**

(88) Date of publication A3:
09.07.2014 Bulletin 2014/28

(51) Int Cl.:
B65B 9/13 (2006.01) B65B 59/00 (2006.01)

(43) Date of publication A2:
16.04.2014 Bulletin 2014/16

(21) Application number: **13187979.3**

(22) Date of filing: **09.10.2013**

(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

(72) Inventors:
• **Tacchini, Franco**
28010 Nebbiuno NO (IT)
• **Orfano, Maurizio**
28041 Arona NO (IT)

(30) Priority: **09.10.2012 IT MI20121689**

(74) Representative: **Faggioni, Carlo Maria et al**
Fumero
Studio Consulenza Brevetti
Pettenkoferstrasse 20-22
80336 München (DE)

(71) Applicant: **OFFICINA MECCANICA SESTESE S.p.A.**
28040 Paruzzaro NO (IT)

(54) **Improved hooding machine, with automatic reel change**

(57) A hooding machine for the wrapping of loads is disclosed, comprising a support frame (1) on which a sleeve-forming system is arranged, the sleeve being made of a plastic material, starting from a tubular sheet (F) folded on a plane and wound on a feeding reel (3), said forming system comprising, in the proximity of the machine base, dragging means apt to grab a terminal edge of said tubular sheet and to drag it along a sleeve-forming path, in which at least one moving carriage (2) on which at least one feeding reel (3) of said tubular sheet (F) is mounted is furthermore provided, said carriage having gripping or retraining means (8a) arranged to present a terminal edge of said plastic sheet (F) in a preset position with respect to said carriage (2), and in which at least guiding and control means (12) are furthermore provided for guiding said carriage (2) so as to locate said gripping or retaining means (8a) laterally in correspondence of a grabbing position of said dragging means, said guiding and control means (12) or said carriage (2) managing a plurality of reels (3a-3g).

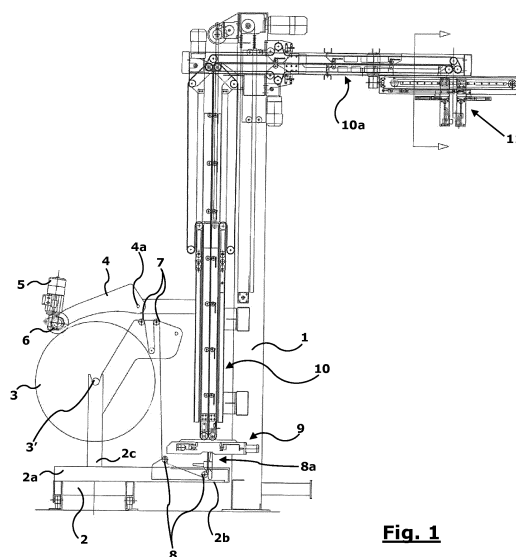


Fig. 1



EUROPEAN SEARCH REPORT

Application Number
EP 13 18 7979

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)
X	DE 85 19 247 U1 (HANS LINGL ANLAGENBAU) 2 April 1987 (1987-04-02) * page 3, line 27 - line 28 * * page 3, line 35 - page 4, line 5 * * figures 2-4 *	1-4,7,8	INV. B65B9/13 B65B59/00
A	EP 1 574 433 B1 (THIMON [FR]) 15 August 2007 (2007-08-15) * the whole document *	1-4,7,8	
A	WO 2012/069712 A1 (THIMON [FR]; JACONELLI JEAN-CHRISTOPHE [FR]) 31 May 2012 (2012-05-31) * abstract * * figure 1 *	1-4,7,8	
A	EP 1 510 460 A1 (SESTESE OFF MEC [IT]) 2 March 2005 (2005-03-02) * abstract * * figures 1-2, 4 *	1-4,7,8	
The present search report has been drawn up for all claims			TECHNICAL FIELDS SEARCHED (IPC) B65B
Place of search		Date of completion of the search	Examiner
Munich		7 February 2014	Damiani, Alberto
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)



Application Number

EP 13 18 7979

CLAIMS INCURRING FEES

The present European patent application comprised at the time of filing claims for which payment was due.

☐ Only part of the claims have been paid within the prescribed time limit. The present European search report has been drawn up for those claims for which no payment was due and for those claims for which claims fees have been paid, namely claim(s):

☐ No claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for those claims for which no payment was due.

LACK OF UNITY OF INVENTION

The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

see sheet B

☐ All further search fees have been paid within the fixed time limit. The present European search report has been drawn up for all claims.

☐ As all searchable claims could be searched without effort justifying an additional fee, the Search Division did not invite payment of any additional fee.

☐ Only part of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the inventions in respect of which search fees have been paid, namely claims:

☒ None of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the invention first mentioned in the claims, namely claims:

1-4, 7, 8

☐ The present supplementary European search report has been drawn up for those parts of the European patent application which relate to the invention first mentioned in the claims (Rule 164 (1) EPC).

**LACK OF UNITY OF INVENTION
SHEET B**

Application Number

EP 13 18 7979

The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

1. claims: 1-4, 7, 8

Hooding machine with a specific type of carriage for supporting the reels and the gripping and retaining means.

2. claims: 5, 6

Hooding machine with a specific device for feeding film from a roll.

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

EP 13 18 7979

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.

07-02-2014

10

15

20

25

30

35

40

45

50

55

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
DE 8519247 U1	02-04-1987	NONE	
EP 1574433 B1	15-08-2007	DE 602005001958 T2	08-05-2008
		EP 1574433 A1	14-09-2005
		ES 2290867 T3	16-02-2008
		FR 2867452 A1	16-09-2005
WO 2012069712 A1	31-05-2012	CN 103370260 A	23-10-2013
		EP 2643220 A1	02-10-2013
		FR 2967648 A1	25-05-2012
		US 2013232919 A1	12-09-2013
		WO 2012069712 A1	31-05-2012
EP 1510460 A1	02-03-2005	AT 349378 T	15-01-2007
		DE 602004003869 T2	05-07-2007
		DK 1510460 T3	07-05-2007
		EP 1510460 A1	02-03-2005
		ES 2278279 T3	01-08-2007
		PT 1510460 E	30-03-2007

EPO FORM P0459

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