(12)

EUROPEAN PATENT APPLICATION

(88) Date of publication A3: **25.05.2011 Bulletin 2011/21**

(43) Date of publication A2: 26.01.2011 Bulletin 2011/04

(21) Application number: 10182105.6

(22) Date of filing: 27.09.2007

(51) Int Cl.: **B65B 25/10** (2006.01)

B65C 1/02 (2006.01) B65C 9/14 (2006.01) B65B 65/00 (2006.01) B65C 9/10 (2006.01)

. ,

(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

(30) Priority: 03.10.2006 IT BO20060682

(62) Document number(s) of the earlier application(s) in accordance with Art. 76 EPC: 07825214.5 / 2 086 843 (71) Applicant: Sympak Corazza S.p.A. 20122 Milano (IT)

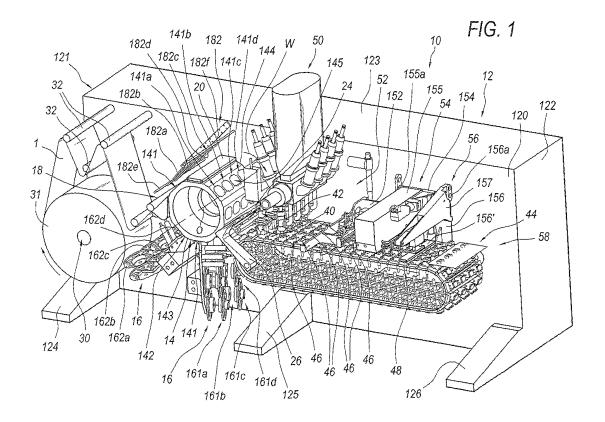
(72) Inventor: Vignoli, Terenzio I-40128, BOLOGNA (IT)

(74) Representative: Fanzini, Valeriano Bugnion S.p.A.Via di Corticella, 87 40128 Bologna (IT)

(54) Apparatus for packaging a product

(57) An apparatus (10) for packaging pasty food products such as processed cheese, stock cubes, butter, margarine and the like, by wrapping in a suitable wrapper comprises a mounting frame (12), apparatus operating means, and means for driving said operating means. The

mounting frame (12) comprises partition means (120) which extend lengthways along the apparatus in the direction in which the packages being formed are fed, and which separate the operating means from the respective drive means.





EUROPEAN SEARCH REPORT

Application Number EP 10 18 2105

| Category | Citation of document with in of relevant pass | ndication, where appropriate, ages | Relevant to claim | CLASSIFICATION OF THE APPLICATION (IPC) | |
|----------------------|--|---|---|--|--|
| X Y | · | GRUPPO SMAIC MACCHINARI CCI FEDERICO [IT]; 2005 (2005-06-30) | | INV. B65B25/10 B65B65/00 B65C1/02 | |
| Y | DE 37 09 267 A1 (BC 29 September 1988 (| SCH GMBH ROBERT [DE]) | 2-9 | B65C9/10 B65C9/14 | |
| А | EP 1 094 005 A2 (CC 25 April 2001 (2001 * the whole documen | 04-25) | 1 | | |
| Α | GB 2 217 288 A (THA 25 October 1989 (19 * page 4 - page 5; | MES SACK & BAG CO [GB]) 189-10-25) figures 1-14 * | 2 | | |
| | | | | TECHNICAL FIELDS SEARCHED (IPC) | |
| | | | | B65B | |
| | | | | B65C B67C B65G | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | The present search report has l | seen drawn up for all claims | | | |
| | Place of search | Date of completion of the search | <u> </u> | Examiner | |
| | Munich | 29 December 2010 | Sch | nelle, Joseph | |
| X : part Y : part | ATEGORY OF CITED DOCUMENTS icularly relevant if taken alone icularly relevant if combined with anot iment of the same category | T : theory or principl E : earlier patent do after the filing dat her D : document cited i L : document cited f | cument, but publi e n the application | | |
| A : tech | nological background -written disclosure | | | | |



Application Number

EP 10 18 2105

| 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: 1-9 |
| 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 10 18 2105

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: 1-9

A packaging apparatus according to the preamble of claim 1 comprising means for positioning the cup-shaped filled wrapper at a height such that the top of the product is at a predetermined height

2. claim: 10

A packaging apparatus according to claim 1 wherein the means for feeding the cup-shaped wrappers comprise pockets and lateral belts for mounting the pockets

3. claims: 11, 13

A packaging apparatus according to claim 1 wherein the cap application means move between a lowered working position and a raised second position ${\sf position}$

4. claims: 12, 13

A packaging apparatus according to claim 1 comprising means for folding the cap retaining tabs $% \left(1\right) =\left(1\right) +\left(1\right) +\left($

5. claim: 14

A packaging apparatus according to claim 1 wherein the means for feeding the parts of the wrapper comprise a plurality of circumferentially distributed sites designed to accomodate the wrapper parts $\frac{1}{2} \int_{-\infty}^{\infty} \frac{1}{2} \left(\frac{1}{2} \int_{-\infty}^$

6. claim: 15

A packaging apparatus according to claim 1 having specifically designed wrapper shaping means

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

EP 10 18 2105

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.

29-12-2010

| Patent document cited in search report | | Publication date | | Patent family member(s) | | Publication date |
|---|----|------------------|-------------------|---------------------------------|----|-------------------------------------|
| WO 2005058701 | A1 | 30-06-2005 | AT DE 60 EP | 365679 2004007300 1706319 | T2 | 15-07-200 06-03-200 04-10-200 |
| DE 3709267 | A1 | 29-09-1988 | CH IT | 675403 1216092 | | 28-09-199 22-02-199 |
| EP 1094005 | A2 | 25-04-2001 | AT IT | 314257 B0990570 | | 15-01-200 23-04-200 |
| GB 2217288 | Α | 25-10-1989 | NONE | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |