

Title (en)

Method and device for packaging small articles

Title (de)

Verfahren und Vorrichtung zum Verpacken kleinstückiger Artikel

Title (fr)

Procédé et dispositif destinés à l'emballage d'articles de petite taille

Publication

**EP 2210813 B2 20170308 (DE)**

Application

**EP 10004445 A 20060227**

Priority

- EP 08005994 A 20060227
- EP 06003941 A 20060227
- DE 102005017329 A 20050414

Abstract (en)

[origin: EP1712472A1] The article together with its stick, is picked up individually by a first unit (10) and is carried continuously to a second unit (2) to complete at least a part of its packaging. The packaging material is supplied to the first unit (10). On the way between picking up the article and its delivery by the first unit, it is re-orientated by rotation through 90[deg]. Picking up is effected in a rotary movement. Packaging supply precedes accelerated motion of tongs used to fix the packaging to the article. An independent claim is included for corresponding equipment.

IPC 8 full level

**B65B 25/00** (2006.01); **B65B 11/34** (2006.01)

CPC (source: EP)

**B65B 11/34** (2013.01); **B65B 25/006** (2013.01)

Citation (opposition)

Opponent :

- DE 19920710 A1 20001109 - PACTEC VERPACKUNGSMASCHINEN FA [DE]
- DE 3713332 A1 19871223 - NAGEMA VEB K [DD]
- DE 10217898 A1 20031106 - THEEGARTEN PACTEC GMBH & CO KG [DE]
- DE 606423 C 19341201 - BRUNO BOERNER
- DE 19715949 A1 19981022 - PACTEC VERPACKUNGSMASCHINEN FA [DE]
- DE 3324984 A1 19840405 - NAGEMA VEB K [DD]
- DE 2416656 A1 19741017 - TENCHI KIKAI KK
- DE 3049590 A1 19810924 - BAKER PERKINS HOLDINGS LTD [GB]
- DE 19642014 A1 19980416 - PACTEC VERPACKUNGSMASCHINEN FA [DE]
- DE 19618510 A1 19971113 - PACTEC VERPACKUNGSMASCHINEN FA [DE]
- DE 4314142 C1 19940728 - PACTEC DRESDEN GMBH [DE]
- DE 19502562 A1 19960801 - PACTEC VERPACKUNGSMASCHINEN FA [DE]
- "Silesia Confiserie Manual No.3", 1983, article A. MEINERS, K. KREITEN, H. JOIKE: "Das neue Handbuch der Süßwarenindustrie"

Designated contracting state (EPC)

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DOCDB simple family (publication)

**EP 1712472 A1 20061018; EP 1712472 B1 20080903**; DE 102005017329 A1 20061019; DE 102005017329 B4 20141016; DE 502006001468 D1 20081016; DE 502006006868 D1 20100610; DE 502006006945 D1 20100624; EP 1939092 A2 20080702; EP 1939092 A3 20080709; EP 1939092 B1 20100512; EP 1939093 A2 20080702; EP 1939093 A3 20080709; EP 1939093 B1 20100428; EP 2210813 A1 20100728; EP 2210813 B1 20121114; EP 2210813 B2 20170308; EP 2218645 A1 20100818; EP 2218645 B1 20181031; ES 2309845 T3 20081216; ES 2340635 T3 20100607; ES 2341190 T3 20100616; ES 2393705 T3 20121227; ES 2393705 T5 20170731; ES 2695033 T3 20181228

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**EP 06003941 A 20060227**; DE 102005017329 A 20050414; DE 502006001468 T 20060227; DE 502006006868 T 20060227; DE 502006006945 T 20060227; EP 08005993 A 20060227; EP 08005994 A 20060227; EP 10004445 A 20060227; EP 10004982 A 20060227; ES 06003941 T 20060227; ES 08005993 T 20060227; ES 08005994 T 20060227; ES 10004445 T 20060227; ES 10004982 T 20060227