

Title (en)
Bulk pack napkin separator

Title (de)
Trenneinrichtung für Servietten-Grosspackungen

Title (fr)
Séparateur de serviettes dans un paquet en vrac

Publication
EP 2471716 A1 20120704 (EN)

Application
EP 11196156 A 20111230

Priority
US 201061428771 P 20101230

Abstract (en)
A bulk pack napkin separator (100; 200; 300; 400) and method utilize various combinations of simultaneous compression of several bulk packs (104; 204; 304; 404) and various forms of bulk pack accumulators (206; 306; 406) for improving speed and functionality of the separator.

IPC 8 full level
B65B 25/14 (2006.01); **B65B 63/02** (2006.01); **B65H 31/30** (2006.01)

CPC (source: EP US)
B65B 63/02 (2013.01 - EP US); **B65H 31/30** (2013.01 - EP US); **B65B 25/145** (2013.01 - EP US); **B65H 2301/34112** (2013.01 - EP US); **B65H 2301/4223** (2013.01 - EP US); **B65H 2701/1924** (2013.01 - EP US)

Citation (applicant)
• US 6832886 B2 20041221 - MICHLER JAMES R [US], et al
• US 7470102 B2 20081230 - GENDRON JEFFREY A [US], et al

Citation (search report)
• [AD] US 7470102 B2 20081230 - GENDRON JEFFREY A [US], et al
• [A] EP 0424718 A1 19910502 - MAKO SONDERMASCHINENBAU GMBH [DE]
• [A] DE 2239569 A1 19740221 - DAMMIT JUERGEN

Cited by
CN107128548A

Designated contracting state (EPC)
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 state (EPC)
BA ME

DOCDB simple family (publication)
EP 2471716 A1 20120704; **EP 2471716 B1 20140409**; US 2012167527 A1 20120705

DOCDB simple family (application)
EP 11196156 A 20111230; US 201113341515 A 20111230