

Title (en)
Commodity carrying out device

Title (de)
Vorrichtung zur Warenausgabe

Title (fr)
Dispositif d'exécution de marchandises

Publication
EP 1993078 A3 20090211 (EN)

Application
EP 08156050 A 20080512

Priority
JP 2007130300 A 20070516

Abstract (en)
[origin: EP1993078A2] The present invention provides a commodity carrying out device that can reliably carry out a vertically-long shaped commodity in an upright state from a commodity storage column to a bucket. More specifically, since a commodity positioned at the front end side of a commodity storage column is tilted forward to be moved into a bucket, when moving a vertically-long shaped commodity in an upright state into a bucket, it is possible to move the commodity without the commodity toppling backwards. Thus, the commodity can be reliably moved into the bucket.

IPC 8 full level
G07F 7/00 (2006.01)

CPC (source: EP US)
G07F 11/04 (2013.01 - EP US); **G07F 11/165** (2013.01 - EP US)

Citation (search report)

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- [X] JP 2000076535 A 20000314 - TOSHIBA CORP
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Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA MK RS

DOCDB simple family (publication)
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DOCDB simple family (application)
EP 08156050 A 20080512; CN 200810099076 A 20080516; EP 11175385 A 20080512; EP 11178787 A 20080512; JP 2008128545 A 20080515; US 12168008 A 20080515