

Title (en)
BOTTOM CASE TURNER

Title (de)
KOFFERFÖRDERBAND

Title (fr)
DISPOSITIF D'ORIENTATION DE FONDS DE CAISSES

Publication
EP 2205508 A4 20140108 (EN)

Application
EP 08847328 A 20081107

Priority
• US 2008082721 W 20081107
• US 98684007 P 20071109

Abstract (en)
[origin: WO2009061981A1] A case turning conveyor and a method for turning cases. The conveyor includes a conveyor belt having article-supporting rollers rotating about axes oblique to the direction of travel of the belt. A side rail is spaced from the side of the conveyor belt across a gap. A retarding surface disposed in the gap provides a horizontal or upwardly ramped high-friction contact area to a portion of the bottom of a case registered against the side rail. Another portion of the bottom of the case remains in contact with the rotating oblique rollers. The retarding surface slows the advance of the portion of the case it engages relative to the portion atop the rollers, which causes the case to rotate into a different orientation.

IPC 8 full level
B65G 47/24 (2006.01)

CPC (source: EP)
B65G 17/24 (2013.01); **B65G 47/24** (2013.01)

Citation (search report)
• [XP] WO 2007146633 A2 20071221 - LAITRAM LLC [US], et al
• [I] NL 7302039 A 19740816
• [XY] US 2005072656 A1 20050407 - COSTANZO MARK [US]
• [Y] DE 29613864 U1 19961010 - GEYSSEL JUERGEN W [DE]
• See references of WO 2009061981A1

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

DOCDB simple family (publication)
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