

Title (en)  
Device for strapping packing pieces

Title (de)  
Vorrichtung zum Umreifen von Packstücken

Title (fr)  
Dispositif de cerclage de pièces d'emballage

Publication  
**EP 2233402 A3 20121121 (DE)**

Application  
**EP 10156523 A 20100315**

Priority  
DE 102009003665 A 20090324

Abstract (en)  
[origin: EP2233402A2] The device has a band channel comprising a cover, which is closed and opened at an interior side by a partial length. The interior side is turned towards a packing piece. The cover is attached to band guiding frames (13) and partially overlaps the band channel at a distance from a channel bottom. The cover comprises a flap element (23) that is provided with a sheet spring element (25) at longitudinal sides of the cover. The spring element is arranged transverse to a longitudinal direction in a projected manner. The cover is attached at the frames by the spring element.

IPC 8 full level  
**B65B 13/06** (2006.01); **B65B 13/18** (2006.01)

CPC (source: EP)  
**B65B 13/06** (2013.01); **B65B 13/185** (2013.01); **B65B 27/08** (2013.01)

Citation (search report)

- [A] US 5414980 A 19950516 - SHIBAZAKI TOKIO [JP], et al
- [A] DE 202007000216 U1 20070315 - JANGZIN IND CO LTD [TW]
- [A] DE 19912940 A1 20000928 - CYKLOP GMBH [DE], et al
- [A] US 2004098955 A1 20040527 - BOBREN ALLAN J [US], et al

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CN103964012A

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 MK MT NL NO PL PT RO SE SI SK SM TR

DOCDB simple family (publication)  
**EP 2233402 A2 20100929; EP 2233402 A3 20121121; EP 2233402 B1 20130918**

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