

Title (en)  
Gripper

Title (de)  
Greifer

Title (fr)  
Grappin

Publication  
**EP 1354840 B1 20090729 (DE)**

Application  
**EP 03008046 A 20030414**

Priority  
DE 10217012 A 20020416

Abstract (en)  
[origin: EP1354840A2] The gripper for the transporting of containers comprises a crossbeam (1) fastened to a lifting device, and diametrically opposite support arms (3) protruding downwards from the crossbeam and with gripping elements (4) on their lower ends to grip under the surfaces (5) of the containers (6). The distance between the support arms matches the diameter of the containers. Two centering arms (8) offset by 90 degrees from the support arms protrude downwards from the crossbeam, and the distance between them conforms to the diameter of the containers.

IPC 8 full level  
**B66C 1/28** (2006.01)

CPC (source: EP)  
**B66C 1/28** (2013.01)

Cited by  
DE202010008450U1; FR2873670A1; DE102009023791A1

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)  
**EP 1354840 A2 20031022; EP 1354840 A3 20050525; EP 1354840 B1 20090729**; AT E437838 T1 20090815; DE 10217012 A1 20031113; DE 10217012 B4 20060713; DE 50311743 D1 20090910; ES 2329885 T3 20091202

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