

Title (en)  
CENTERING AND ORIENTING DEVICE FOR CONTAINERS

Publication  
**EP 0443617 B1 19930929 (DE)**

Application  
**EP 91102649 A 19910222**

Priority  
• DE 4005606 A 19900222  
• DE 9006376 U 19900606

Abstract (en)  
[origin: EP0443617A1] The device provides an aligning plate (2), the top side of which consists of an inner body (10) and of an annular outer body (9) mounted vertically movably relative to the conveyor between two stop positions, the aligning rotation being executed by the inner body (10) connected fixedly in terms of rotation to a frictional body (17). <IMAGE>

IPC 1-7  
**B65C 9/06**

IPC 8 full level  
**B65C 9/06** (2006.01)

CPC (source: EP)  
**B65C 9/065** (2013.01)

Cited by  
ITTO20090830A1; EP1145966A1; EP0608668A1; US5413666A; EP3056777A1; EP4056379A1; WO2017012772A1; WO9526301A1; WO03024808A2

Designated contracting state (EPC)  
DE ES FR GB IT

DOCDB simple family (publication)  
**EP 0443617 A1 19910828; EP 0443617 B1 19930929**; DE 59100411 D1 19931104; ES 2044629 T3 19940101

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