

Title (en)  
Flat-type lifting element

Title (de)  
Flachhubelement

Title (fr)  
Élément de levage plat

Publication  
**EP 0657123 B1 19980304 (DE)**

Application  
**EP 94116546 A 19941020**

Priority  
• DE 9318553 U 19931206  
• DE 9415930 U 19941004

Abstract (en)  
[origin: US5626328A] A flat lifting device includes an outer and an inner hollow section rail with closed cross section and with a substantially greater width than a thickness. One of the section rails is acted upon by a drive unit having a linearly moveable drive member for shifting the one section rail relative to the other section rail. Opposing surfaces of the outer and inner section rails are preferably provided with meshing profiles which extend in moving direction of the slideable section rail.

IPC 1-7  
**A47B 9/04**

IPC 8 full level  
**A47B 9/00** (2006.01); **A47B 9/04** (2006.01); **A47B 9/20** (2006.01); **A47C 19/04** (2006.01); **A61G 7/018** (2006.01); **B66F 3/08** (2006.01); **B66F 3/10** (2006.01); **B66F 3/44** (2006.01)

CPC (source: EP US)  
**A47B 9/04** (2013.01 - EP US); **A47B 9/20** (2013.01 - EP US); **A47C 19/045** (2013.01 - EP US); **A61G 7/018** (2013.01 - EP US); **B66F 3/08** (2013.01 - EP US); **B66F 3/10** (2013.01 - EP US); **B66F 3/44** (2013.01 - EP US); **A47B 2200/0053** (2013.01 - EP US); **A47B 2200/0056** (2013.01 - EP US); **A47B 2200/0059** (2013.01 - EP US); **A61G 7/012** (2013.01 - EP)

Cited by  
CN109008346A; ES2127130A1; DE29519456U1

Designated contracting state (EPC)  
AT BE CH DE DK ES FR GB IT LI NL

DOCDB simple family (publication)  
**US 5626328 A 19970506**; AT E163511 T1 19980315; CA 2137317 A1 19950607; DE 59405375 D1 19980409; DE 9318553 U1 19940203; DE 9415930 U1 19950119; DK 0657123 T3 19980928; EP 0657123 A1 19950614; EP 0657123 B1 19980304; ES 2113028 T3 19980416; JP H07308226 A 19951128

DOCDB simple family (application)  
**US 34676894 A 19941130**; AT 94116546 T 19941020; CA 2137317 A 19941205; DE 59405375 T 19941020; DE 9318553 U 19931206; DE 9415930 U 19941004; DK 94116546 T 19941020; EP 94116546 A 19941020; ES 94116546 T 19941020; JP 27257794 A 19941107