

Title (en)  
Scissor lift device

Title (de)  
Scherenhubvorrichtung

Title (fr)  
Dispositif de levage à ciseaux

Publication  
**EP 1384697 A1 20040128 (EN)**

Application  
**EP 03015918 A 20030712**

Priority  
DK PA200201139 A 20020726

Abstract (en)  
Scissor lift device (2) comprising a bottom frame (4) and an upper frame (10) carried by parallel oriented pairs of shearing arms (12), where the shearing arms are arranged for folding under the action of an actuator (18) with mainly horizontal orientation. The peculiar features of the device are constituted in that only the two first shearing arms (14) under the crossing point (20) of the shearing arms are rotary connected with upper ends of V-shaped knee joints (22), the V-shaped knee joint (22) constituting a part of a connection that converts the axial movement of the actuator to an up-and-down movement of the upper frame (10). The construction of the lift device implies greater freedom of choice with regard to the position of the shearing arms on the bottom frame, and implies also a modest constructional height combined with a relative great lifting height, the former substantially corresponding to the total height of the bottom frame (4) and the upper frame (10). <IMAGE>

IPC 1-7  
**B66F 7/06**; **A61G 3/06**; **A61G 5/10**

IPC 8 full level  
**B66F 7/06** (2006.01); **A61G 5/10** (2006.01)

CPC (source: EP)  
**B66F 7/065** (2013.01); **A61G 5/104** (2013.01)

Citation (search report)  
• [XY] WO 9962813 A1 19991209 - CHRISTENSEN HANS BALLE [DK]  
• [DY] WO 0021478 A1 20000420 - HANS BALLE APS [DK], et al  
• [DA] US 3472183 A 19691014 - GOODMAN ROBERT

Cited by  
EP2676918A1; CN104512834A; US2018070745A1; US10512341B2; CN102267677A; CN107601348A; CN106081671A; AU2017294290B2; AU2017294290C1; US10233062B2; US8888070B2; WO2010091027A3; WO2018006917A1; WO2011058085A1; WO2020047699A1; WO2016141769A1; US10793406B2; US11565918B2

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 1384697 A1 20040128**; **EP 1384697 B1 20060405**; AT E322455 T1 20060415; DE 60304403 D1 20060518; DE 60304403 T2 20070412; DK 1384697 T3 20060807; ES 2263881 T3 20061216

DOCDB simple family (application)  
**EP 03015918 A 20030712**; AT 03015918 T 20030712; DE 60304403 T 20030712; DK 03015918 T 20030712; ES 03015918 T 20030712