

Title (en)

Wide-angle hinge

Title (de)

Weitwinkelscharnier

Title (fr)

Charnière à grand angle d'ouverture

Publication

**EP 0875648 A3 20000719 (DE)**

Application

**EP 98106171 A 19980403**

Priority

DE 19718429 A 19970430

Abstract (en)

[origin: EP0875648A2] The linkage arms (2,2'), made from U-shaped profiled levers, form intersecting arms pivoting at the ends on fittings (1,1') fixed to the main body section (4) and the door (5). Their other ends are attached by links (3,3') to the fittings at separate points. The levers hinge together at a point between their end joints. The lever flanges are offset from each other so as to fit on the inside and outside. The links are likewise of channel-section and offset where they are attached to the levers. In the open position, the hinge pins (6,6',8,9,9') of the levers are on a common imaginary cylindrical dish (18), whose axis is at the outside of the fittings. The flanges of the levers and/or links can be cranked, so that in the extended open position they fit closely alongside each other.

IPC 1-7

**E05D 3/06**

IPC 8 full level

**E05D 3/06** (2006.01); **E05D 5/08** (2006.01); **E05D 7/04** (2006.01)

CPC (source: EP)

**E05D 3/16** (2013.01); **E05D 5/08** (2013.01); **E05D 7/0415** (2013.01); **E05D 2003/166** (2013.01); **E05Y 2900/20** (2013.01)

Citation (search report)

- [A] US 5103532 A 19920414 - YOUNGDALE LOUIS L [US], et al
- [A] EP 0200019 A2 19861105 - HAEFELE KG [DE]
- [A] EP 0144628 A2 19850619 - SALICE ARTURO SPA
- [A] EP 0144639 A2 19850619 - SALICE ARTURO SPA

Cited by

EP1688569A1; US7543356B2

Designated contracting state (EPC)

AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

**EP 0875648 A2 19981104**; **EP 0875648 A3 20000719**; **EP 0875648 B1 20011121**; AT E209291 T1 20011215; DE 19718429 A1 19981105; DE 59802682 D1 20020221; ES 2168696 T3 20020616; SI 0875648 T1 20020630

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**EP 98106171 A 19980403**; AT 98106171 T 19980403; DE 19718429 A 19970430; DE 59802682 T 19980403; ES 98106171 T 19980403; SI 9830111 T 19980403