

Title (en)
Ladder hinge

Title (de)
Leitergelenk

Title (fr)
Articulation pour échelle

Publication
EP 1355036 B1 20050921 (DE)

Application
EP 03008578 A 20030414

Priority
DE 20205873 U 20020415

Abstract (en)
[origin: EP1355036A1] Structure (16) has inner hollow space, central pin (36) and journal (40) with integral side coupling (44) formed inside structure. Push-in element (34) is coupled at side to connector (16) and two connecting elements of ladder (12,14) are connected by connector (16) by plug-in coupling elements (18,20). Each coupling element has projection (24) which fits with recess (26) in side wall of elements (12,14). Pressure on catch (28) releases elements (12,14). Connector (16) is made of two half shells with hollow space between, into which third limb (34) is inserted. To assemble, bearing journals (40) are removed, limb (34) is inserted so its mouth (38) surrounds central pin (36), angle position is adjusted and journals (40) inserted. Bridge limb (50) has further coupling element (53), having joint (52) with two swivel stops (54) for rotation of 40 degrees.

IPC 1-7
E06C 1/10; **E06C 1/32**; **E06C 1/39**

IPC 8 full level
E04G 1/30 (2006.01); **E04G 7/30** (2006.01); **E06C 1/10** (2006.01); **E06C 1/32** (2006.01); **E06C 1/39** (2006.01); **E06C 7/46** (2006.01); **E06C 7/48** (2006.01)

CPC (source: EP)
E04G 1/30 (2013.01); **E04G 7/301** (2013.01); **E04G 7/307** (2013.01); **E06C 1/10** (2013.01); **E06C 1/32** (2013.01); **E06C 1/39** (2013.01); **E06C 7/46** (2013.01); **E06C 7/48** (2013.01)

Cited by
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EP 1355036 A1 20031022; **EP 1355036 B1 20050921**; AT E305077 T1 20051015; DE 20205873 U1 20020801; DE 50301211 D1 20060202

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