

Title (en)  
Ladder hinge

Title (de)  
Leitergelenk

Title (fr)  
Articulation pour échelle

Publication  
**EP 1355036 A1 20031022 (DE)**

Application  
**EP 03008578 A 20030414**

Priority  
DE 20205873 U 20020415

Abstract (en)  
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.

Abstract (de)  
Es ist eine Leiter oder ein Gerüst vorgesehen, mit mindestens zwei Steckelementen, insbesondere steckbaren Rohren, mit einem Verbindungsglied für das Verbinden zwischen mindestens zwei Steckelementen. Das Verbindungsglied weist zwei Kupplungselemente auf, die für den Eingriff an den Steckelementen bestimmt sind. Das Verbindungsglied (16) erstreckt sich zwischen den Kupplungselementen (18, 20) und ein Sonderkupplungselement (44) ist seitlich an dem Verbindungsglied (16) ausgebildet, mit welchem ein drittes Steckelement (34) seitlich an das Verbindungsglied (16) ankuppelbar ist. <IMAGE>

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)

Citation (search report)  
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DOCDB simple family (publication)  
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