

Title (en)  
Ladder

Title (de)  
Leiter

Title (fr)  
Echelle

Publication  
**EP 1028225 B1 20030402 (DE)**

Application  
**EP 00102009 A 20000202**

Priority  
DE 19906142 A 19990213

Abstract (en)  
[origin: EP1028225A2] The ladder is formed by hollow profiles for the sides (1) and the rungs (2), both fitted with openings (5,6). A plug (12) is inserted through the opening (6) in the outer wall (4) of the ladder side profile (1) into the rung. The plug (12) has at least one ratchet projection (10) to lock into a recess (9) at the rung, to key the rung to the side profile of the ladder. The plug has a beating head (13) at the outside, to force the plug home and lock the rung and side profile together. The ladder sections (1,2) are of a plastics material reinforced with glass fibers. The plug (12) is an injection molded thermoplastic component.

IPC 1-7  
**E06C 7/08**

IPC 8 full level  
**E06C 7/08** (2006.01)

CPC (source: EP)  
**E06C 7/086** (2013.01)

Cited by  
FR2893078A1; FR3002584A1; WO2014131959A1; WO2023126072A1

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

DOCDB simple family (publication)  
**EP 1028225 A2 20000816; EP 1028225 A3 20010502; EP 1028225 B1 20030402**; AT E236340 T1 20030415; DE 19906142 A1 20000907; DE 50001587 D1 20030508

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