

Title (en)
Ladder

Title (de)
Leiter

Title (fr)
Echelle

Publication
EP 0931904 A2 19990728 (EN)

Application
EP 98301074 A 19980213

Priority
KR 19980000836 A 19980114

Abstract (en)
A ladder capable of preventing an accident from being caused due to the weakened combining force between beams and hinges while a user uses the ladder to perform work, and capable of preventing the beams and the steps from being released from each other. The ladder includes two pairs of beams (1,1' and 2,2')engaged with each other by hinge means (H,H') , and a plurality of steps(S) disposed between the beams (1,1',2,2') at the same distance interval. Both ends of the steps(S) are inserted into holes (100) which are formed at one side surfaces of the beams (1,1',2,2')and have the same cross sectional shape with that of the steps(S) and a predetermined size adapted to receive the ends of the steps (1,1',2,2'). Both ends of the steps(S) are enlarged due to the striking force applied by a punch (102) and are engaged with the beams (1,1',2,2')under the state that rounded ends of the steps(S) are formed from the outer side surfaces of the beams (1,1',2,2')to inner side surfaces of the beams (1,1',2,2') due to the striking force applied by the punch (102) and the rounded ends are brought into contact with the ends of the steps(S). <IMAGE> <IMAGE>

IPC 1-7
E06C 7/08; E06C 1/32; E06C 1/18

IPC 8 full level
E06C 7/50 (2006.01); **E06C 1/18** (2006.01); **E06C 1/32** (2006.01); **E06C 7/08** (2006.01)

CPC (source: EP KR)
E06C 1/18 (2013.01 - EP); **E06C 1/32** (2013.01 - EP); **E06C 7/085** (2013.01 - EP); **E06C 7/50** (2013.01 - KR)

Cited by
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