

Title (en)
Foldable ladder with high strength

Title (de)
Hochfeste Faltleiter

Title (fr)
Echelle pliante à haute résistance

Publication
EP 0822317 A3 19981104 (EN)

Application
EP 96630055 A 19960913

Priority
KR 19960032179 A 19960801

Abstract (en)
[origin: EP0822317A2] The ladder has a plurality of ladder sections (1) pivotally connected together by hinged joints (2). Each ladder section (1) has two uprights (11) with respective rung holes (111) and at least one rung (12) fitted into and fixed to the rung holes (111) of the uprights (11). The ladder further includes inner and outer reinforcing parts (21) on both side surfaces of each upright (11). The reinforcing parts (21) axially extend from each hinged joint (2) to a predetermined length along an upright (11) and are used for uniformly distributing the vertical or lateral load to all directions of the upright (11) thus giving high strength to the ladder. Both ends of a rung (12) is compressed to integrate the upright (11), rung (12) and reinforcing parts (21) into a single body thus giving an operational safety to the ladder and lengthening the expected life span of the ladder.
<IMAGE> <IMAGE>

IPC 1-7
E06C 1/32; **E06C 1/38**

IPC 8 full level
E06C 1/383 (2006.01); **E06C 1/32** (2006.01); **E06C 7/08** (2006.01)

CPC (source: EP KR)
E06C 1/32 (2013.01 - EP); **E06C 1/383** (2013.01 - KR); **E06C 7/085** (2013.01 - EP)

Citation (search report)

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Designated contracting state (EPC)
DE FR GB IT PT SE

DOCDB simple family (publication)
EP 0822317 A2 19980204; **EP 0822317 A3 19981104**; AU 2867897 A 19980205; AU 723701 B2 20000907; DE 822317 T1 19981119; KR 100210012 B1 19990715; KR 19980013622 A 19980515

DOCDB simple family (application)
EP 96630055 A 19960913; AU 2867897 A 19970716; DE 96630055 T 19960913; KR 19960032179 A 19960801