

Title (en)
SELF ERECTING SCAFFOLDING

Title (de)
SELBSTAUFRICHTENDES GERÜST

Title (fr)
ECHAFAUDAGE A ERECTION AUTOMATIQUE

Publication
EP 1007467 A1 20000614 (EN)

Application
EP 97917960 A 19970505

Priority
• CA 9700307 W 19970505
• CN 97182154 A 19970505

Abstract (en)
[origin: WO9850301A1] A work platform (48) is supported by a sleeve (46) which is movable along a tower (40) having a plurality of vertically equally spaced rungs (45). The raising system (50) of the invention comprises two hydraulic rams (52), pivotably attached to the sleeve (46) and equipped with corresponding hooks (58) at the extremity of their piston rods (52a). The rams (52) are activated simultaneously in up and down movement but in alternate directions, bearing in a hooking engagement in turn on the rungs (45) of the tower (40) to pull the sleeve (46) upwards along the tower (40). When a rung (45) is in the path of a hook (58) in the upward movement, the latter pivots backwards to clear the rung (45) and is pivoted back by means of springs (66). The lowering operation of the sleeve (46) is done similarly to the raising operation, but there is provided latch levers (82) that an operator must unlatch to allow springs (86) to pivot the hooks (58) in a rung clearing position during the retraction of the corresponding ram's piston rod (52a), so that the hook (58) will clear the rungs (45).

IPC 1-7
B66F 11/04; **B66F 1/08**

IPC 8 full level
B66F 1/08 (2006.01); **B66F 11/04** (2006.01)

CPC (source: EP)
B66F 11/04 (2013.01)

Citation (search report)
See references of WO 9850301A1

Designated contracting state (EPC)
AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)
WO 9850301 A1 19981112; AT E220047 T1 20020715; AU 2628997 A 19981127; BR 9714660 A 20000711; CA 2288162 A1 19981112; CA 2288162 C 20020723; CN 1091747 C 20021002; CN 1254322 A 20000524; DE 69713813 D1 20020808; EP 1007467 A1 20000614; EP 1007467 B1 20020703; ES 2177971 T3 20021216; HK 1027795 A1 20010123; PT 1007467 E 20021129

DOCDB simple family (application)
CA 9700307 W 19970505; AT 97917960 T 19970505; AU 2628997 A 19970505; BR 9714660 A 19970505; CA 2288162 A 19970505; CN 97182154 A 19970505; DE 69713813 T 19970505; EP 97917960 A 19970505; ES 97917960 T 19970505; HK 00107010 A 20001103; PT 97917960 T 19970505