

Title (en)  
SELF ERECTING SCAFFOLDING

Title (de)  
SELBSTAUFRICHTENDES GERÜST

Title (fr)  
ECHAFAUDAGE A ERECTION AUTOMATIQUE

Publication  
**EP 1007467 B1 20020703 (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).

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