

Title (en)
Hydraulic scaffold.

Title (de)
Hydraulisches Gerüst.

Title (fr)
Echafaudage hydraulique.

Publication
EP 0335311 B1 19940601 (FR)

Application
EP 89105421 A 19890328

Priority
US 17753988 A 19880401

Abstract (en)
[origin: US4809814A] This scaffolding comprises a base, a pair of spaced posts on said base each formed of modular post sections, releasably secured one on top of the other by fasteners. Each post section is formed of a lattice frame with transversely-extending bars forming anchoring steps, equally spaced along the post. A work platform surrounds the posts and is guided therealong for up-and-down movement. A pair of anchoring hooks are pivoted at their lower end to the platform and are engageable with the steps of the two posts to suspend the platform. A pair of hydraulic rams are pivoted also to the platform adjacent each post and upwardly-upstanding piston rods are provided with hooks to engage the steps of the post and raise or lower the platform. The hydraulic supply for the rams is mounted on the platform. The hook members are biased towards the posts, so that they automatically engage the steps. A single operator can operate the rams to raise and lower the work platform. The same operator can install the modular post sections as the platform is being raised and can dismantle when the platform is lowered. A swing stage is suspended from the work platform by flexible cables. The operator can climb down on the work stage to install bracing bars for interconnecting the posts as the platform is raised and to attach tie-rods to the posts and to an adjacent building wall to be covered with bricks or the like, which is carried by the platform.

IPC 1-7
E04G 1/20

IPC 8 full level
E04G 1/20 (2006.01)

CPC (source: EP US)
E04G 1/20 (2013.01 - EP US)

Designated contracting state (EPC)
AT BE CH DE ES FR GB GR IT LI LU NL SE

DOCDB simple family (publication)
US 4809814 A 19890307; AT E106491 T1 19940615; DE 68915599 D1 19940707; DE 68915599 T2 19940915; EP 0335311 A2 19891004; EP 0335311 A3 19901205; EP 0335311 B1 19940601

DOCDB simple family (application)
US 17753988 A 19880401; AT 89105421 T 19890328; DE 68915599 T 19890328; EP 89105421 A 19890328