

Title (en)
WORKPIECE SUPPORT AND CLAMPING ASSEMBLY

Publication
EP 0037251 A3 19820127 (EN)

Application
EP 81301294 A 19810326

Priority
US 13480480 A 19800328

Abstract (en)
[origin: EP0037251A2] A workpiece supporting and clamping assembly (10) is adapted to be mounted on a wall or similar structure and to be adjustable between a substantially vertical storage position, closely adjacent the wall and a working position substantially perpendicular to the wall. The assembly comprises a pair of brackets (14), a pair of spaced apart parallel hinge assemblies (16), each having locking means (104) and a release lever (106) associated therewith and a workpiece supporting and clamping structure (12) pivotally coupled with the brackets (14) and hinge assemblies (16). The workpiece supporting and clamping structure (12) comprises a generally rigid base frame (18) which includes a pair of parallel, spaced apart frame members (20) and a pair of elongated, coplanar top member (22, 24) which are mounted on the spaced apart members (20), extending generally transversely thereto such that their upper surfaces define the work supporting surface and their opposed side surfaces define the work clamping surfaces. The supporting and clamping structure (12) is pivotally mounted to the brackets (14) and to the hinge assemblies (16), which are pivotally interconnected with the brackets (14). When the workpiece supporting and clamping assembly (10) is in its storage position the hinge assemblies (16) are collapsed. When the assembly (10) is brought to its working position, the hinge assemblies (16) are extended and lock securely in extended position supporting the supporting and clamping structure (12) in its working position until both hinge assemblies (16) are affirmatively released by means of their respective release levers (106).

IPC 1-7
B25B 1/04; **B25H 1/00**

IPC 8 full level
B23Q 3/06 (2006.01); **B25B 1/04** (2006.01); **B25B 1/10** (2006.01); **B25H 1/00** (2006.01); **B25H 1/04** (2006.01)

CPC (source: EP)
B25B 1/103 (2013.01); **B25H 1/04** (2013.01)

Citation (search report)
• GB 1540576 A 19790214 - JAY G
• FR 2350178 A1 19771202 - INVENTEC PATENTS LTD [IE]
• DE 2453444 A1 19760520 - MAX HERBSTTRITH KG

Cited by
CN117020695A; US4656326A; CN116494193A; CN103846886A; CN113560918A; CN111185884A; EP0517582A1; FR2561154A1; CN108145355A

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

DOCDB simple family (publication)
EP 0037251 A2 19811007; **EP 0037251 A3 19820127**; **EP 0037251 B1 19850605**; AT E13640 T1 19850615; CA 1168286 A 19840529; DE 3170812 D1 19850711; JP S573535 U 19820109

DOCDB simple family (application)
EP 81301294 A 19810326; AT 81301294 T 19810326; CA 374063 A 19810327; DE 3170812 T 19810326; JP 4297881 U 19810328