

Title (en)

SUPPORT FOR LIFTABLE AND TURNABLE LYING AND SITTING ARRANGEMENTS

Publication

**EP 0117992 B1 19880224 (DE)**

Application

**EP 84100653 A 19840123**

Priority

CH 115483 A 19830303

Abstract (en)

[origin: US4569091A] Standard engineering shapes or profile elements are united by screw clamps to form a releasable and adjustable boom arm or cantilever arrangement. By means of quadrangular clamp bodies, substantially vertical support arms carrying seating or reclining means for a person are mounted on a horizontal support arm and can be individually adjusted in relation thereto. The boom arm is mounted in a further screw clamp provided in the free end of a hydraulic cylinder and piston assembly and is therefore capable of being raised and lowered and swivelled about the lengthwise axis of the cylinder. A hand-grip capable of being pivoted away is provided for the safety of the occupant. Boom arms of this type are employed in bathing installations to safely transport patients and invalids into and out of bath or the like tubs. The releasable and adjustable design concept of the boom arm permits it to be dimensionally adjusted during its initial installation, so that preliminary dimensional surveys are superfluous. In service, the boom arm can be readily adapted to modifications of building or apparatus, changed methods of treatment and varying ergonomic requirements. This provides an increased degree of flexibility and adaptability in application in comparison to welded constructions and therefore greater economy.

IPC 1-7

**A61G 7/10**

IPC 8 full level

**A61G 7/10** (2006.01)

CPC (source: EP US)

**A61G 7/1003** (2013.01 - EP US); **A61G 7/1019** (2013.01 - EP US); **A61G 7/1059** (2013.01 - EP US); **A61G 7/1076** (2013.01 - EP US); **A61G 7/1092** (2013.01 - EP US); **Y10T 403/32581** (2015.01 - EP US); **Y10T 403/7141** (2015.01 - EP US)

Citation (examination)

MECHANISM LINKAGES AND MECHANICAL CONTROLS, By N.P.CHIRONIS, pages 342+345

Cited by

EP0599123A3; GB2196247A; GB2196247B

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**EP 0117992 A1 19840912**; **EP 0117992 B1 19880224**; AT E32557 T1 19880315; CH 659575 A5 19870213; DE 3469406 D1 19880331; US 4569091 A 19860211

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