

Title (en)

Clamp for metal bars.

Title (de)

Spannbügel für metallische Stangen.

Title (fr)

Traverse de blocage pour barres métalliques.

Publication

**EP 0447382 A1 19910918 (EN)**

Application

**EP 91850046 A 19910226**

Priority

SE 9000953 A 19900316

Abstract (en)

A clamp for a plurality of bar-shaped items, comprising a base with upwardly pointing claws (13,14) having gripping surfaces (20,21) and a lid which can be held by the claws (13,14) in at least two positions at different levels above the base, where each level corresponds to a certain diameter of the item, and where one position is changed to another by reversing the lid about a vertical or horizontal axis.

IPC 1-7

**B65D 85/20**; **F16L 3/22**

IPC 8 full level

**B65D 85/20** (2006.01); **E21B 17/00** (2006.01)

CPC (source: EP)

**B65D 85/20** (2013.01); **E21B 17/006** (2013.01)

Citation (search report)

- [AD] SE 454266 B 19880418 - NORABEL AB [SE]
- [AD] EP 0071163 A2 19830209 - DREYFUSS WILFRIED [DE], et al
- [AD] DE 3128345 A1 19830210 - NIPPON KOKAN KK [JP], et al

Cited by

FR2772438A1; FR3074783A1; GB2363373A; GB2363373B; US6799926B1; WO0043295A1

Designated contracting state (EPC)

DE ES FR IT

DOCDB simple family (publication)

**EP 0447382 A1 19910918**; **EP 0447382 B1 19940216**; CA 2038111 A1 19910917; DE 69101165 D1 19940324; DE 69101165 T2 19940601; ES 2049540 T3 19940416; SE 500833 C2 19940912; SE 9000953 D0 19900316; SE 9000953 L 19910917

DOCDB simple family (application)

**EP 91850046 A 19910226**; CA 2038111 A 19910312; DE 69101165 T 19910226; ES 91850046 T 19910226; SE 9000953 A 19900316