

Title (en)

A camlock for remote access manipulator.

Title (de)

Spreizdorn für einen auf Abstand bedienbaren Manipulator.

Title (fr)

Doigt à cames extensible pour manipulateur déplaçable à distance.

Publication

**EP 0003109 A1 19790725 (EN)**

Application

**EP 79100024 A 19790105**

Priority

- US 86800178 A 19780109
- US 94350378 A 19780918

Abstract (en)

This invention relates to a camlock for engaging the inside of tubular members to suspend apparatus from the tubular members. The camlock comprises a movable spacer (154) disposed on a slidable member (152) between two expandable metal rings (158, 160). The relative motion of the spacer and slidable member causes the metal rings to be expanded against the inside of the tubular member thereby supporting the apparatus. The metal rings have a thin wall with internal ribs (202) that fit closely to the slidable member. The internal ribs act as stops (208) on the inside of the metal rings so as to prevent their overexpansion.

IPC 1-7

**B25J 5/00**

IPC 8 full level

**F22B 37/00** (2006.01)

CPC (source: EP)

**F22B 37/005** (2013.01)

Citation (search report)

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Designated contracting state (EPC)

BE DE FR SE

DOCDB simple family (publication)

**EP 0003109 A1 19790725; EP 0003109 B1 19811202;** DE 2961486 D1 19820128; ES 476591 A1 19791201

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**EP 79100024 A 19790105;** DE 2961486 T 19790105; ES 476591 A 19790104