

Title (en)

CONNECTING STRUCTURE FOR TWO MEMBERS

Publication

**EP 0133704 A3 19850814 (EN)**

Application

**EP 84109483 A 19840809**

Priority

JP 14496083 A 19830810

Abstract (en)

[origin: EP0133704A2] A cylindrical member (1) is fitted into a recess formed in a surface of a flat member (2) which is placed opposite one end of said cylindrical member. Preferably, a plurality of annular grooves (1B) are formed in the surface of one end portion of the cylindrical member (1) and the bottom of the grooved portion is provided with knurled portion (1C). A portion of the flat portion placed in the vicinity of the grooved portion is pressed in the axial direction of the cylindrical member (1) and a portion of the flat member (2) is plastically deformed into the grooved and knurled portion of the cylindrical member (1), whereby the cylindrical member (1) is connected to the flat member (2) with a butt joint.

IPC 1-7

**B21D 39/00**

IPC 8 full level

**B21D 39/00** (2006.01); **B21D 39/06** (2006.01)

CPC (source: EP KR)

**B21D 39/00** (2013.01 - KR); **B21D 39/06** (2013.01 - EP)

Citation (search report)

- [X] DE 2244945 A1 19740321 - SIEMENS AG
- [A] FR 2388636 A1 19781124 - GUIDOTTI DANTE [FR]
- [A] US 2832130 A 19580429 - HERBERT HARVEY
- [A] DE 2607334 A1 19770825 - GOETZ METALLBAU GMBH
- [A] DE 2505973 A1 19760826 - INTERATOM

Cited by

GB2234460A; GB2198289A; FR2606088A1; GB2198289B; US5040731A

Designated contracting state (EPC)

CH DE FR GB IT LI NL SE

DOCDB simple family (publication)

**EP 0133704 A2 19850306; EP 0133704 A3 19850814**; AU 3179584 A 19850221; JP S6037226 A 19850226; KR 850001839 A 19850410

DOCDB simple family (application)

**EP 84109483 A 19840809**; AU 3179584 A 19840810; JP 14496083 A 19830810; KR 840004720 A 19840808