

Title (en)
METHOD FOR PRODUCING A MECHANICAL LINK

Title (de)
VERFAHREN ZUR HERSTELLUNG EINER MECHANISCHEN VERBINDUNG

Title (fr)
PROCEDE DE FABRICATION D'UNE LIAISON MECANIQUE

Publication
EP 1301717 A1 20030416 (DE)

Application
EP 01953820 A 20010703

Priority
• DE 0102397 W 20010703
• DE 10032331 A 20000704

Abstract (en)
[origin: DE10032331C1] To form a mechanical bond (1) between the ends (10,11) of two preferably tubular workpieces (5-7), initially the ends (10,11) are pushed into each other until they are wholly supported against each other, and the edge (27) is bent elastically outwards. At least one edge (27) of one end (11) is bent by force (21) towards the other end (11). The ends (10,11) are locked together in a positive fit. A centering unit (24) ensures that the ends (10,11) of the workpieces (5-7) are in alignment as they are pushed together.
[origin: DE10032331C1] To form a mechanical bond (1) between the ends (10,11) of two preferably tubular workpieces (5-7), initially the ends (10,11) are pushed into each other until they are wholly supported against each other, and the edge (27) is bent elastically outwards. At least one edge (27) of one end (11) is bent by force (21) towards the other end (11). The ends (10,11) are locked together in a positive fit. A centering unit (24) ensures that the ends (10,11) of the workpieces (5-7) are in alignment as they are pushed together.

IPC 1-7
F16B 2/08; **H02K 15/14**; **H02K 15/02**

IPC 8 full level
F16B 5/04 (2006.01); **B21C 37/10** (2006.01); **B21D 39/03** (2006.01); **B21K 25/00** (2006.01); **B23P 11/00** (2006.01); **F16B 17/00** (2006.01); **H02K 1/17** (2006.01); **H02K 7/00** (2006.01); **H02K 15/02** (2006.01)

CPC (source: EP US)
B21C 37/108 (2013.01 - EP US); **B21K 25/00** (2013.01 - EP US); **B23P 11/00** (2013.01 - EP US); **F16B 17/00** (2013.01 - EP US); **H02K 1/17** (2013.01 - EP US); **H02K 15/02** (2013.01 - EP US); **Y10T 403/4966** (2015.01 - EP US)

Citation (search report)
See references of WO 0202952A1

Designated contracting state (EPC)
DE ES FR GB IT

DOCDB simple family (publication)
DE 10032331 C1 20010913; BR 0106934 A 20020514; EP 1301717 A1 20030416; JP 2004501776 A 20040122; MX PA02002336 A 20030623; US 2002187000 A1 20021212; WO 0202952 A1 20020110

DOCDB simple family (application)
DE 10032331 A 20000704; BR 0106934 A 20010703; DE 0102397 W 20010703; EP 01953820 A 20010703; JP 2002507185 A 20010703; MX PA02002336 A 20010703; US 6985402 A 20020604