

Title (en)
METHOD AND DEVICE FOR PRODUCING STEEL, ESPECIALLY STAINLESS STEEL PRESS FITTINGS.

Title (de)
VERFAHREN UND VORRICHTUNG ZUR HERSTELLUNG VON PRESSFITTINGS AUS STAHL, INSBESONDERE EDELSTAHL

Title (fr)
PROCEDE ET DISPOSITIF POUR LA PRODUCTION DE RACCORDS TUBULAIRES A LA PRESSE EN ACIER, NOTAMMENT EN ACIER SPECIAL

Publication
EP 1294501 A1 20030326 (DE)

Application
EP 01933971 A 20010516

Priority
• DE 10031989 A 20000630
• EP 0105547 W 20010516

Abstract (en)
[origin: US6843096B2] Special steel press fittings are produced in two process steps, which can be performed simultaneously, or also one after the other. The cut to size blank is widened in a die is upset in order to form the desired pipe connection areas.

IPC 1-7
B21C 37/28; **B21D 17/02**

IPC 8 full level
F16L 17/02 (2006.01); **B21C 37/28** (2006.01); **B21D 17/02** (2006.01); **B21D 17/04** (2006.01); **B21D 41/02** (2006.01); **B21D 51/16** (2006.01)

CPC (source: EP US)
B21C 37/28 (2013.01 - EP US); **B21D 17/02** (2013.01 - EP US); **B21D 17/04** (2013.01 - EP US); **B21D 41/02** (2013.01 - EP US)

Cited by
CN102343379A; EP4316682A1

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)
WO 0202255 A1 20020110; AT E301513 T1 20050815; BR 0111978 A 20030701; BR 0111978 B1 20081118; CN 1208145 C 20050629; CN 1438923 A 20030827; CZ 20024128 A3 20030917; DE 10031989 A1 20020117; DE 10031989 B4 20070816; DE 50107057 D1 20050915; DK 1294501 T3 20051128; EP 1294501 A1 20030326; EP 1294501 B1 20050810; ES 2247111 T3 20060301; JP 2004501773 A 20040122; PT 1294501 E 20051130; SK 18012002 A3 20030911; SK 286457 B6 20081007; US 2004003645 A1 20040108; US 6843096 B2 20050118

DOCDB simple family (application)
EP 0105547 W 20010516; AT 01933971 T 20010516; BR 0111978 A 20010516; CN 01811756 A 20010516; CZ 20024128 A 20010516; DE 10031989 A 20000630; DE 50107057 T 20010516; DK 01933971 T 20010516; EP 01933971 A 20010516; ES 01933971 T 20010516; JP 2002506873 A 20010516; PT 01933971 T 20010516; SK 18012002 A 20010516; US 31181002 A 20021220