

Title (en)

Pipes for manufacturing stabilisers and manufacturing stabilisers therefrom

Title (de)

Rohre für die Herstellung von Stabilisatoren und Herstellung von Stabilisatoren aus solchen Rohren

Title (fr)

Tuyaux pour la fabrication de stabilisateurs et fabrication de stabilisateurs à partir desdits tuyaux

Publication

**EP 0753595 A3 19980826 (DE)**

Application

**EP 96109631 A 19960625**

Priority

DE 19524574 A 19950706

Abstract (en)

[origin: EP0753595A2] The use of a steel alloy of compsn. (wt. %): 0.18-0.3 C; 0.1-0.5 Si, 1.1-1.8 Mn, max. 0.025 P, max 0.025 S, 0.02-0.05 Ti, 0.0005-0.005 B, 0.01-0.05 Al, balance Fe plus usual melting impurities for tubes used in the production of stabilisers for vehicles, esp. torsion bars is claimed. Also claimed are: (i) the stabilisers made from the alloy; (ii) a process for producing stabilisers from drawn or welded tubes comprising normal annealing the tubes, producing the stabilisers; and water quenching; (iii) a process for producing bent stabilisers from non-hardened tubes comprising bending at above the Ac3 point followed by quenching; and (iv) a further process for producing bent stabilisers from tubes comprising hardening the tubes and then bending.

IPC 1-7

**C22C 38/04**; **F16F 1/14**; **C21D 9/08**

IPC 8 full level

**C22C 38/00** (2006.01); **B60G 3/26** (2006.01); **B60G 7/00** (2006.01); **B60G 21/055** (2006.01); **C21D 8/00** (2006.01); **C21D 9/02** (2006.01); **C21D 9/08** (2006.01); **C22C 38/04** (2006.01); **F16F 1/14** (2006.01); **F16F 1/16** (2006.01)

CPC (source: EP)

**C21D 9/02** (2013.01); **C21D 9/08** (2013.01); **C22C 38/04** (2013.01)

Citation (search report)

- [AD] WO 9318189 A1 19930916 - CONS METAL PROD [US]
- [A] DE 4321241 A1 19950105 - HESONWERK DR ISKE GMBH [DE]
- [A] US 4781054 A 19881101 - BROWN PETER A [CA], et al
- [A] US 4854150 A 19890808 - BROWN PETER A [CA], et al

Cited by

US8007601B2; DE102007006875A1; EP2765014A1; EP1125774A3; DE102005054847B3; CN100385020C; US9657365B2; WO2007113690A3; WO2004087367A3; WO2012097855A1; WO03004708A1; WO2008138642A1; US8002910B2; US11105501B2; US8414715B2; US9187811B2; US8636856B2; US9222156B2; US7744708B2; US9970242B2; US8328960B2; US11124852B2; US11833561B2; EP1961832A1; US8202376B2; US8821653B2; US8926771B2; US8221562B2; US8328958B2; US11952648B2; US9644248B2; US9803256B2; US10378074B2; US10378075B2; US11377704B2

Designated contracting state (EPC)

DE ES FR GB IT

DOCDB simple family (publication)

**EP 0753595 A2 19970115**; **EP 0753595 A3 19980826**; **EP 0753595 B1 20010808**; CZ 287707 B6 20010117; CZ 9602015 A3 19990616; DE 59607441 D1 20010913; ES 2159662 T3 20011016

DOCDB simple family (application)

**EP 96109631 A 19960625**; CZ 201596 A 19960704; DE 59607441 T 19960625; ES 96109631 T 19960625