

Title (en)

Manganese bearing steel wire for linear traction transmission element and process for manufacturing and use thereof

Title (de)

Manganhaltiger Stahldraht für lineares Zugkraftübertragungselement sowie dessen Herstellungsverfahren und Verwendung

Title (fr)

Fil d'acier au manganèse pour élément de transmission de force de traction linéaire, ainsi que procédé de fabrication et utilisation de ce dernier

Publication

EP 1795619 A3 20090408 (DE)

Application

EP 06450177 A 20061206

Priority

AT 8312005 U 20051206

Abstract (en)

[origin: EP1795619A2] Linear wire or combination of wires is made from an austenitic manganese steel containing more than 10 wt.% manganese. An independent claim is also included for a method for the production of the linear wire comprising intermediate annealing of the wire after quenching above 1000[deg] C and strain hardening, especially rolling or drawing, to a temperature below 1000[deg] C, further quenching and cold rolling.

IPC 8 full level

C21D 9/52 (2006.01); **B21C 37/04** (2006.01); **C22C 38/04** (2006.01)

CPC (source: EP)

B21C 37/045 (2013.01); **C21D 6/005** (2013.01); **C21D 9/525** (2013.01); **C22C 38/02** (2013.01); **C22C 38/04** (2013.01); **C22C 38/38** (2013.01); **C22C 38/58** (2013.01); **D07B 1/06** (2013.01); **C21D 8/065** (2013.01); **D07B 2201/2009** (2013.01); **D07B 2205/3032** (2013.01)

Citation (search report)

- [X] EP 0432434 A1 19910619 - VER SCHMIEDEWERKE GMBH [DE]
- [X] DE 19702005 A1 19980723 - GORO SA [FR]
- [X] AT 337235 B 19770627 - ALLEGHENY LUDLUM IND INC [US]

Cited by

CN103422024A; EP3176281A1; US10501818B2

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK RS

DOCDB simple family (publication)

AT 8763 U1 20061215; EP 1795619 A2 20070613; EP 1795619 A3 20090408; EP 1795619 B1 20150401

DOCDB simple family (application)

AT 8312005 U 20051206; EP 06450177 A 20061206