

Title (en)
DRAWING METHOD AND WIRE PRODUCED BY SAID DRAWING METHOD

Title (de)
ZIEHVERFAHREN UND IN DIESEM ZIEHVERFAHREN HERGESTELLTER DRAHT

Title (fr)
PROCÉDÉ DE TRÉFILAGE ET FIL OBTENU PAR CE PROCÉDÉ DE TRÉFILAGE

Publication
EP 3071715 A1 20160928 (FR)

Application
EP 14802047 A 20141121

Priority
• FR 1361539 A 20131122
• EP 2014075225 W 20141121

Abstract (en)
[origin: WO2015075164A1] The invention relates to a steel wire comprising an entirely ferritic, pearlitic or ferritic-pearlitic microstructure, said steel wire having a carbon level by mass C such that $0.05\% \leq C < 0.4\%$, and a chromium level by mass Cr such that $Cr < 12\%$. The method for drawing the wire comprises: a first uninterrupted series of steps (4001 - 400m) of drawing the wire of a diameter D to a diameter d'; at least one second uninterrupted series of steps (7001 - 700m) of drawing the wire of a diameter d' to a diameter d; and at least one intermediate step between the first and second uninterrupted steps (4001 - 400m, 7001 - 700m) of drawing the wire, the wire having a temperature which is lower than or equal to 300°C during the or each intermediate step.

IPC 8 full level
C21D 8/06 (2006.01); **B60C 9/00** (2006.01); **D07B 1/06** (2006.01)

CPC (source: EP US)
B60C 9/0007 (2013.01 - EP US); **C21D 8/065** (2013.01 - EP US); **C21D 9/52** (2013.01 - EP US); **C22C 38/001** (2013.01 - EP US); **C22C 38/002** (2013.01 - EP US); **C22C 38/02** (2013.01 - EP US); **C22C 38/04** (2013.01 - EP US); **C22C 38/44** (2013.01 - EP US); **C22C 38/46** (2013.01 - EP US); **C22C 38/52** (2013.01 - EP US); **C22C 38/54** (2013.01 - EP US); **C22C 38/58** (2013.01 - EP US); **D07B 1/066** (2013.01 - EP US); **B60C 2009/0085** (2013.01 - US); **C21D 2211/005** (2013.01 - EP US); **C21D 2211/009** (2013.01 - EP US); **D07B 2205/3035** (2013.01 - EP US); **D07B 2205/3042** (2013.01 - EP US); **D07B 2205/305** (2013.01 - EP US)

C-Set (source: EP US)
1. **D07B 2205/3042 + D07B 2801/10**
2. **D07B 2205/3035 + D07B 2801/10**
3. **D07B 2205/305 + D07B 2801/10**

Citation (search report)
See references of WO 2015075164A1

Citation (examination)
SPIEKERMANN P: "Alloys - a special problem of patent law", NONPUBLISHED ENGLISH TRANSLATION OF DOCUMENT, 30 June 2000 (2000-06-30), pages 1 - 20, XP002184689

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
WO 2015075164 A1 20150528; CN 105992828 A 20161005; CN 105992828 B 20190712; EP 3071715 A1 20160928; FR 3013736 A1 20150529; FR 3013736 B1 20161209; US 2016281297 A1 20160929

DOCDB simple family (application)
EP 2014075225 W 20141121; CN 201480063540 A 20141121; EP 14802047 A 20141121; FR 1361539 A 20131122; US 201415037499 A 20141121