

Title (en)
PROCESS FOR PRODUCING OIL TEMPERED WIRE

Title (de)
VERFAHREN ZUR HERSTELLUNG VON ANGELASSENEM DRAHT

Title (fr)
PROCEDE DE PRODUCTION D'UN FIL TREMPE A L'HUILE

Publication
EP 1524323 B1 20130626 (EN)

Application
EP 03730632 A 20030526

Priority
• JP 0306546 W 20030526
• JP 2002211954 A 20020722

Abstract (en)
[origin: US2004244883A1] The method comprises the steps of: applying an isothermal transformation heat treatment to a wire material having a nonmetallic inclusion controlled; applying a lubrication film after acid washing; carrying out scalping after which softening a work hardened layer produced on a surface layer at the time of scalping by annealing and carrying out wire drawing, and then carrying out an oil temper treatment.

IPC 8 full level
C21D 1/74 (2006.01); **C22C 38/18** (2006.01); **C21D 9/52** (2006.01); **C22C 38/00** (2006.01); **C22C 38/02** (2006.01); **C22C 38/34** (2006.01); **C21D 1/58** (2006.01)

CPC (source: EP US)
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Designated contracting state (EPC)
DE SE

DOCDB simple family (publication)
US 2004244883 A1 20041209; CN 1286992 C 20061129; CN 1556866 A 20041222; EP 1524323 A1 20050420; EP 1524323 A4 20060201; EP 1524323 B1 20130626; HK 1069414 A1 20050520; JP 2004052048 A 20040219; JP 3555892 B2 20040818; WO 2004009856 A1 20040129

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US 80337904 A 20040318; CN 03801114 A 20030526; EP 03730632 A 20030526; HK 05101983 A 20050308; JP 0306546 W 20030526; JP 2002211954 A 20020722