

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 A1 20050420 (EN)**

Application  
**EP 03730632 A 20030526**

Priority  
• JP 0306546 W 20030526  
• JP 2002211954 A 20020722

Abstract (en)  
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. <IMAGE>

IPC 1-7  
**C21D 9/52**; **C21D 1/74**; **C22C 38/00**; **C22C 38/34**

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)  
**C21D 9/525** (2013.01 - EP US); **C22C 38/18** (2013.01 - EP US); **C21D 1/58** (2013.01 - EP US)

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

DOCDB simple family (application)  
**US 80337904 A 20040318**; CN 03801114 A 20030526; EP 03730632 A 20030526; HK 05101983 A 20050308; JP 0306546 W 20030526; JP 2002211954 A 20020722