

Publication

EP 0849369 A3 19980708

Application

EP 97122112 A 19971216

Priority

DE 19653062 A 19961219

Abstract (en)

[origin: EP0849369A2] In a process for coiling or open coil laying of steel rod or wire, the rolled rod or wire is cooled, before coiling or coil laying, from the rolling temperature to the transformation region as defined by the Ar3 or Ar1 line of the time-temperature-transformation diagram corresponding to the steel type to ensure that, immediately after cooling, the rolled rod or wire transforms almost isothermally from the austenitic phase into the ferritic or pearlitic phase (or into the bainitic phase if required) uniformly over its entire length and cross-section before, during or after the coiling or coil laying operation.

IPC 1-7

C21D 9/573; **C21D 8/06**; **B21C 47/26**

IPC 8 full level

C21D 8/06 (2006.01); **C21D 9/573** (2006.01)

CPC (source: EP US)

C21D 8/06 (2013.01 - EP US); **C21D 9/5732** (2013.01 - EP US)

Citation (search report)

- [X] BE 698054 A 19671016
- [X] DE 2414015 A1 19741003 - WEAN UNITED INC
- [X] GB 1549125 A 19790801 - THAELMANN SCHWERMASCHBAU VEB
- [A] DE 1433760 A1 19700122 - MORGAN CONSTRUCTION CO
- [DA] EP 0058324 A2 19820825 - SCHLOEMANN SIEMAG AG [DE]
- [A] BRUNE E ET AL: "COMPUTERSIMULATION DES WALZPROZESSES ZUR QUALITATS-OPTIMIERUNG AN EINER FEINSTAHL- UND DRAHTSTRASSE", STAHL UND EISEN, vol. 114, no. 11, 7 November 1994 (1994-11-07), pages 87 - 92, 160, XP000484932

Cited by

US6682612B2

Designated contracting state (EPC)

AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

EP 0849369 A2 19980624; **EP 0849369 A3 19980708**; DE 19653062 A1 19980625; US 5902422 A 19990511

DOCDB simple family (application)

EP 97122112 A 19971216; DE 19653062 A 19961219; US 99298597 A 19971218