

Title (en)

DRAWN WIRE MATERIAL, AND METHOD FOR PRODUCING DRAWN WIRE MATERIAL

Title (de)

GEZOGENES DRAHTMATERIAL UND VERFAHREN ZUR HERSTELLUNG EINES GEZOGENEN DRAHTMATERIALS

Title (fr)

MATÉRIAU DE FIL ÉTIRÉ, ET PROCÉDÉ DE PRODUCTION DE MATÉRIAU DE FIL ÉTIRÉ

Publication

EP 4324945 A1 20240221 (EN)

Application

EP 22788204 A 20220414

Priority

- JP 2021069178 A 20210415
- JP 2022017810 W 20220414

Abstract (en)

Provided is a wiredrawn product drawn from a heat-treated steel containing: 0.38 to 1.05% by mass of C; 0.0 to 1.0% by mass of Mn; 0.0 to 0.50% by mass of Cr; and 0.0 to 1.5% by mass of Si, with the remainder being Fe and unavoidable impurities, wherein a GOS value/average crystal grain size is greater than or equal to $-0.6 \times \text{GAM value} + 1.5$ at a grain boundary setting angle of 2° and a step number of $0.07 \mu\text{m}$.

IPC 8 full level

C21D 9/52 (2006.01); **B21C 1/06** (2006.01); **C21D 1/40** (2006.01); **C21D 1/42** (2006.01); **C21D 1/48** (2006.01); **C22C 38/00** (2006.01); **C22C 38/18** (2006.01)

CPC (source: EP KR US)

B21C 1/06 (2013.01 - EP KR); **C21D 1/20** (2013.01 - EP US); **C21D 1/40** (2013.01 - EP KR US); **C21D 1/42** (2013.01 - KR); **C21D 1/48** (2013.01 - EP KR); **C21D 8/065** (2013.01 - EP US); **C21D 9/525** (2013.01 - KR US); **C21D 9/5732** (2013.01 - EP); **C21D 9/62** (2013.01 - EP); **C21D 9/64** (2013.01 - EP); **C22C 38/00** (2013.01 - US); **C22C 38/02** (2013.01 - EP); **C22C 38/04** (2013.01 - EP); **C22C 38/18** (2013.01 - EP KR); **C22C 38/20** (2013.01 - EP); **C21D 2201/05** (2013.01 - EP); **C21D 2211/009** (2013.01 - EP)

Designated contracting state (EPC)

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Designated extension state (EPC)

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Designated validation state (EPC)

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DOCDB simple family (publication)

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DOCDB simple family (application)

EP 22788204 A 20220414; CN 202280028527 A 20220414; JP 2022017810 W 20220414; JP 2023514680 A 20220414; KR 20237038894 A 20220414; US 202218285775 A 20220414