

Title (en)
COPPER ALLOY WIRE

Title (de)
KUPFERLEGIERUNGSDRAHT

Title (fr)
FIL D'ALLIAGE DE CUIVRE

Publication
EP 4317493 A1 20240207 (EN)

Application
EP 22775653 A 20220323

Priority
• JP 2021048044 A 20210323
• JP 2022013377 W 20220323

Abstract (en)
Provided is a copper alloy wire rod superior in the balance of the strength, the electric conductivity and the drawability. A copper alloy wire rod comprises an alloy composition including 1.0% by mass or more and 6.0% by mass or less of Ag, a remainder being Cu and inevitable impurities, in which, for a peak intensity I(111) of 111 diffraction, a peak intensity I(200) of 200 diffraction, a peak intensity I(220) of 220 diffraction and a peak intensity I(311) of 311 diffraction obtained by X-ray diffraction analysis of a surface, a peak intensity ratio of a total intensity of the peak intensity I(111), the peak intensity I(200) and the peak intensity I(311) relative to the peak intensity I(220) ((the peak intensity I(111) + the peak intensity I(220) + the peak intensity I(311)) / the peak intensity I(220)) is 1.20 or more and 3.00 or less.

IPC 8 full level
C22C 9/00 (2006.01); **C22F 1/00** (2006.01); **C22F 1/08** (2006.01)

CPC (source: EP KR)
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Designated contracting state (EPC)
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BA ME

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