

Title (en)
COPPER ALLOY WIRE ROD

Title (de)
KUPFERLEGIERUNGSWALZDRAHT

Title (fr)
FIL MACHINE EN ALLIAGE DE CUIVRE

Publication
EP 4317492 A1 20240207 (EN)

Application
EP 22775652 A 20220323

Priority
• JP 2021048043 A 20210323
• JP 2022013375 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 and a peak intensity I(220) of 220 diffraction obtained by X-ray diffraction analysis of a surface, a peak intensity ratio of the peak intensity I(111) relative to the peak intensity I(220) (the peak intensity I(111)/the peak intensity I(220)) is 0.50 or more and 1.50 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)
C22C 9/00 (2013.01 - EP KR); **C22F 1/08** (2013.01 - EP KR)

Citation (search report)
See references of WO 2022202870A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

Designated validation state (EPC)
KH MA MD TN

DOCDB simple family (publication)
EP 4317492 A1 20240207; CN 115398014 A 20221125; JP WO2022202870 A1 20220929; KR 20230024243 A 20230220;
WO 2022202870 A1 20220929

DOCDB simple family (application)
EP 22775652 A 20220323; CN 202280003424 A 20220323; JP 2022013375 W 20220323; JP 2022542345 A 20220323;
KR 20227031178 A 20220323