

Title (en)
COPPER ALLOY SHEET AND PROCESS FOR PRODUCING SAME

Title (de)
KUPFERLEGIERUNGSFOLIE UND HERSTELLUNGSVERFAHREN DAFÜR

Title (fr)
FEUILLE D'ALLIAGE DE CUIVRE ET SON PROCÉDÉ DE FABRICATION

Publication
EP 2508633 A1 20121010 (EN)

Application
EP 10834576 A 20101201

Priority

- JP 2009274995 A 20091202
- JP 2010071499 W 20101201

Abstract (en)

{Problems} To provide a copper alloy sheet material, which is excellent in the bending property, and has an excellent mechanical strength, and which is thus suitable for lead frames, connectors, terminal materials, and the like, for electrical/electronic equipments, for connectors, for example, to be mounted on automotive vehicles, and for terminal materials, relays, switches, and the like; and to provide a production method of the same.

{Means to solve} A copper alloy sheet material, wherein, in crystal orientation analysis by an EBSD (electron back scatter diffraction) analysis, in connection with accumulation of atomic planes oriented toward the transverse direction (TD) of a rolled sheet, an area ratio of a region having atomic planes in which the angle formed by the normal direction of (1 1 1) plane and the TD is 20° or less, is 50% or less, a proof stress is 500 MPa or greater, and an electrical conductivity is 30 %IACS or higher; and a production method of the same.

IPC 8 full level
C22C 9/06 (2006.01); **C22C 9/00** (2006.01); **C22C 9/02** (2006.01); **C22C 9/04** (2006.01); **C22C 9/05** (2006.01); **C22C 9/10** (2006.01); **C22F 1/00** (2006.01); **C22F 1/08** (2006.01); **H01B 1/02** (2006.01); **H01B 5/02** (2006.01)

CPC (source: EP KR)
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