

Title (en)  
WATER-SOLUBLE COPPER, COPPER ALLOYS AND NON-FERROUS METALS INTERMEDIATE COLD AND HOT ROLLING COMPOSITION

Title (de)  
WASSERLÖSLICHE KALT-UND WARMWALZZUSAMMENSETZUNG FÜR KUPFER, KUPFERLEGIERUNGEN UND NICHT-EISENMETALLEN

Title (fr)  
COMPOSITION DE LAMINAGE A CHAUD ET A TEMPERATURE INTERMEDIAIRE DE METAUX NON FERREUX, D'ALLIAGES DE CUIVRE, ET DE CUIVRE HYDROSOLUBLE

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Application  
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Abstract (en)  
[origin: EP1123971A1] The present invention relates to a water-soluble copper, copper alloys and non-ferrous metals intermediate cold and hot rolling composition comprising a base stock oil and, based on the total weight of the composition : from 1 to 80% by weight of a combination of a monoester of a fatty acid with a polyol and a tetraester of a fatty acid with pentaerythritol; the weight monoester : tetraester ratio of said combination ranging from 1:20 to 10:1; and from 0.02 to 2% by weight of an azole derivative. The invention also relates to an oil-in-water emulsion, an intermediate cold rolling process, a hot rolling process and the use of the oil-in-water emulsion in an intermediate cold or hot rolling process.  
<IMAGE>

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