

Title (en)
LUBRICANT CONTAINING CARBON DIOXIDE FOR FORMING METALS

Title (de)
SCHMIERMITTEL ENTHALTEND KOHLENSÄUREESTER ZUR UMFORMUNG VON METALLEN

Title (fr)
LUBRIFIANT CONTENANT DES ESTERS DE DIOXYDE DE CARBONE DESTINE AU FORMAGE DE METAUX

Publication
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Application
EP 01915217 A 20010209

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Abstract (en)
[origin: WO0160958A1] The invention relates to the use of carbon dioxide esters of general formula (I) in lubricants for forming metals under the effects of sliding friction. In said formula: R and R' can be identical or different and each represent a linear or branched alkyl group, a cycloalkyl group or an alkyl-cycloalkyl group, each with between 5 and 30 C atoms. The invention also relates to lubricants containing carbon dioxide esters of general formula (I) and one or more components selected from a) mono and/or diesters of mono or oligophosphoric acids with between 1 and 6 P atoms having linear or branched fatty alcohols with between 12 and 22 C atoms, or their non-esterified starting products b) triglycerides of fatty acids with between 12 and 22 C atoms and c) methyl esters of fatty acids with between 12 and 22 C atoms. The lubricants are preferably devoid of mineral oil.

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