

Title (en)
METHOD FOR CONVERTING CARBON DIOXIDE AND BICARBONATES INTO FORMIC ACID DERIVATIVES USING A COBALT COMPLEX AS A CATALYTIC SYSTEM

Title (de)
VERFAHREN ZUR UMSETZUNG VON KOHLENDIOXID UND BIKARBONATEN ZU AMEISENSÄUREDÉRIVATEN UNTER VERWENDUNG EINES KOBALTKOMPLEXES ALS KATALYTISCHES SYSTEM

Title (fr)
PROCÉDÉ POUR CONVERTIR DU DIOXYDE DE CARBONE ET DES BICARBONATES EN DÉRIVÉS D'ACIDE FORMIQUE EN UTILISANT UN COMPLEXE DE COBALT COMME SYSTÈME CATALYTIQUE

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Abstract (en)
[origin: WO2013079421A1] The invention relates to a method for converting carbon dioxide or bicarbonates into formic acid derivatives, i.e. formate salts, formate esters, and formamides, using molecular hydrogen and a catalytic system comprising a cobalt complex of cobalt salt and at least one tripodal, tetradentate ligand. The catalyst complex can be used as a homogeneous catalyst. The invention further relates to the cobalt complexes per se.

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