

Title (en)

METHOD FOR PRODUCING CARBOXYLIC ACIDS OR THEIR ESTERS BY CARBONYLATION OF OLEFINS

Title (de)

VERFAHREN ZUR HERSTELLUNG VON CARBONSÄUREN ODER DEREN ESTERN DURCH CARBONYLIERUNG VON OLEFINEN

Title (fr)

PRODUCTION D'ACIDES CARBOXYLIQUES OU DE LEURS ESTERS PAR CARBONYLATION D'OLEFINES

Publication

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Application

**EP 98906940 A 19980209**

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Abstract (en)

[origin: DE19706876A1] The invention relates to a method for producing carboxylic acids or their esters from olefins and carbon monoxide in the presence of water or alcohols at temperatures of between 100 and 270 DEG C and pressure of between 30 and 100 bar. Said method is characterized in that as halogen-free catalyst system it uses a mixture of a) nickel or a nickel compound; b) at least one of the metals of a group including chromium, molybdenum, wolfram, rhenium, ruthenium, osmium, rhodium, iridium, palladium, platinum, silver and gold, or a compound of these metals; c) at least one non-metallic compound from the group of tertiary or quaternary nitrogen, phosphorus or arsenic compounds and nitrogen-containing heterocyclic compounds.

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