

Title (en)

METHOD FOR PRODUCING ALDEHYDES AND CARBOXYLIC ACIDS BY OXIDIZING PRIMARY ALCOHOLS

Title (de)

VERFAHREN ZUR HERSTELLUNG VON ALDEHYDEN UND CARBONSÄUREN DURCH OXIDATION PRIMÄRER ALKOHOLE

Title (fr)

PROCEDE POUR LA PREPARATION D'ALDEHYDES ET D'ACIDES CARBOXYLIQUES PAR OXYDATION D'ALCOOLS PRIMAIRES

Publication

EP 1023255 A1 20000802 (DE)

Application

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Priority

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- DE 19743621 A 19971002

Abstract (en)

[origin: DE19743621C1] Primary alcohols with 4-16 carbon atoms, or with 8-22 carbons and branched in the 2-position, are oxidised with molecular oxygen at 20-120 deg C in the absence of solvent by contact with a special catalyst containing palladium, platinum, cobalt or ruthenium and a cocatalyst containing bismuth or antimony on an aluminium oxide or Al silicate support.

IPC 1-7

C07C 45/38; **C07C 47/02**; **B01J 23/644**; **C07C 45/84**; **C07C 51/235**

IPC 8 full level

B01J 23/644 (2006.01); **C07B 61/00** (2006.01); **C07C 45/38** (2006.01); **C07C 45/84** (2006.01); **C07C 47/02** (2006.01); **C07C 51/235** (2006.01); **C07C 53/126** (2006.01)

CPC (source: EP US)

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