

Title (en)

GOLD BASED HETEROGENEOUS CARBONYLATION CATALYSTS

Title (de)

AUF GOLD BASIERENDE HETEROGENE CARBONYLIERUNGSKATALYSATOREN

Title (fr)

CATALYSEURS DE CARBONYLATION HETEROGENES AURIFERES

Publication

**EP 1414565 A1 20040506 (EN)**

Application

**EP 01959452 A 20010803**

Priority

US 0124306 W 20010803

Abstract (en)

[origin: WO03013721A1] A solid supported catalyst suitable for the vapor phase carbonylation of lower aliphatic alcohols, ethers, ester, and ester-alcohol mixtures, and desirably, methanol, to produce carboxylic acid, esters and mixtures thereof. The solid supported catalyst includes an effective amount of gold associated with a solid support material in the presence of a halide promoter. Desirably, the support material is selected from carbon, activated carbon, pumice alumina, silica, silica-alumina, magnesia, diatomaceous earth, bauxite, titania, zirconia, clay, magnesium silicate, silicon carbide, zeolites, ceramics and combinations thereof.

IPC 1-7

**B01J 23/52**; **B01J 23/66**; **C07C 51/12**; **C07C 67/36**

IPC 8 full level

**B01J 23/52** (2006.01); **B01J 23/66** (2006.01); **C07C 51/12** (2006.01); **C07C 67/36** (2006.01); **B01J 21/18** (2006.01)

CPC (source: EP)

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C-Set (source: EP)

1. **C07C 51/12** + **C07C 53/08**
2. **C07C 67/36** + **C07C 69/14**

Citation (search report)

See references of WO 03013721A1

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