

Title (en)  
PROCESS FOR CARBONYLATION OF DIMETHYL ETHER

Title (de)  
VERFAHREN ZUR CARBONYLIERUNG VON DIMETHYLETHER

Title (fr)  
PROCÉDÉ DE CARBONYLATION D'ÉTHER DIMÉTHYLIQUE

Publication  
**EP 2114850 A1 20091111 (EN)**

Application  
**EP 06845427 A 20061215**

Priority  
US 2006047718 W 20061215

Abstract (en)  
[origin: WO2008073096A1] A product comprising a C<SUB>1</SUB>-C<SUB>3</SUB> aliphatic carboxylic acid or corresponding ester is produced by a process comprising reacting a C<SUB>1</SUB>-C<SUB>3</SUB> aliphatic alcohol or a reactive derivative thereof with carbon monoxide in the presence of a zeolite catalyst having an 8-member ring channel which is interconnected with a channel defined by a ring with greater than or equal to 8 members, the 8-member ring having a window size of at least 2.5 Angstroms x at least 3.6 Angstroms and at least one Brønsted acid site and the zeolite having a silica : X<SUB>2</SUB>O<SUB>3</SUB> ratio of at least 5, wherein X is selected from aluminium, boron, iron, gallium and mixtures thereof with the proviso that the zeolite is not mordenite or ferrierite.

IPC 8 full level  
**C07C 51/12** (2006.01); **C07C 51/09** (2006.01); **C07C 67/37** (2006.01)

CPC (source: EP KR)  
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