

Title (en)

METHOD FOR MAKING ACROLEIN FROM PROPYLENE BY REDOX REACTION

Title (de)

VERFAHREN ZUR HERSTELLUNG VON ACROLEIN AUS PROPYLEN DURCH REDOX REAKTION

Title (fr)

PROCEDE DE FABRICATION D'ACROLEINE A PARTIR DU PROPYLENE PAR REACTION REDOX

Publication

**EP 1105364 A1 20010613 (FR)**

Application

**EP 99936749 A 19990818**

Priority

- FR 9902005 W 19990818
- FR 9810598 A 19980821

Abstract (en)

[origin: FR2782512A1] The mixed oxide composition provides the oxygen necessary for the conversion reaction giving a good selectivity in acrolein. The oxide can be re-generated. The solid oxide composition of the formula (I) :- Mo<sub>1</sub>2BiaFebCocNidSieKfCrgOx (I) a = 0.5 - 5 ; b = 0.1 - 10 ; c = 0.5 - 10 ; d = 0 - 10 ; e = 0 - 15 ; f = 0 - 1 ; g = 0.1 - 2 ; (limits inclusive) and x = amount of oxygen bound to the other elements, dependent on their oxidation states -is used in the preparation of acrolein by oxidation of propylene by the redox reaction :- SOLID (oxidized) + propylene----- Solid(reduced) + acrolein (1) An Independent claim is also included for the manufacture of acrolein using the oxide composition.

IPC 1-7

**C07C 45/28**; **C07C 47/22**

IPC 8 full level

**C01B 33/00** (2006.01); **B01J 23/887** (2006.01); **C07B 61/00** (2006.01); **C07C 45/28** (2006.01); **C07C 47/22** (2006.01)

CPC (source: EP KR)

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