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

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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) :- Mo12BiaFebCocNidSieKfCrgOx (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)

B01J 23/002 (2013.01 - EP); **B01J 23/8876** (2013.01 - EP); **C07C 45/28** (2013.01 - EP KR); B01J 2523/00 (2013.01 - EP)

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