

Title (en)
CATALYSTS CONTAINING IRON AND MOLYBDENUM AND THE USE OF THESE CATALYSTS IN THE PREPARATION OF ACRYLONITRILE OR METHACRYLONITRILE

Publication
EP 0000564 B1 19820519 (EN)

Application
EP 78100469 A 19780721

Priority
US 81973277 A 19770728

Abstract (en)
[origin: EP0000564A1] The invention is related to new catalysts containing iron, bismuth, molybdenum and various additional elements which exhibit extremely attractive catalytic properties for the oxidation and ammoxidation of various olefins. The invention is further related to the use of such catalysts in the ammoxidation of propylene and isobutylene to acrylonitrile and respectively, methacrylonitrile.

IPC 1-7
B01J 23/88; **B01J 27/18**; **B01J 27/02**; **C07C 121/32**; **C07C 120/14**

IPC 8 full level
B01J 23/28 (2006.01); **B01J 23/88** (2006.01); **B01J 23/89** (2006.01); **B01J 27/057** (2006.01); **B01J 27/186** (2006.01)

CPC (source: EP)
B01J 23/8872 (2013.01); **B01J 23/8875** (2013.01); **B01J 23/8876** (2013.01); **B01J 23/8993** (2013.01); **B01J 27/0576** (2013.01); **B01J 27/186** (2013.01); **C07C 253/26** (2013.01); **B01J 2523/00** (2013.01); **Y02P 20/52** (2015.11)

C-Set (source: EP)
1. **B01J 2523/00 + B01J 2523/13 + B01J 2523/41 + B01J 2523/54 + B01J 2523/68 + B01J 2523/69 + B01J 2523/72 + B01J 2523/842 + B01J 2523/845 + B01J 2523/847**
2. **B01J 2523/00 + B01J 2523/13 + B01J 2523/41 + B01J 2523/42 + B01J 2523/54 + B01J 2523/68 + B01J 2523/69 + B01J 2523/842 + B01J 2523/845 + B01J 2523/847**
3. **B01J 2523/00 + B01J 2523/13 + B01J 2523/41 + B01J 2523/43 + B01J 2523/54 + B01J 2523/68 + B01J 2523/72 + B01J 2523/842 + B01J 2523/845 + B01J 2523/847**
4. **B01J 2523/00 + B01J 2523/13 + B01J 2523/3718 + B01J 2523/41 + B01J 2523/54 + B01J 2523/68 + B01J 2523/72 + B01J 2523/842 + B01J 2523/845 + B01J 2523/847**
5. **B01J 2523/00 + B01J 2523/13 + B01J 2523/17 + B01J 2523/305 + B01J 2523/41 + B01J 2523/42 + B01J 2523/54 + B01J 2523/68 + B01J 2523/842 + B01J 2523/845 + B01J 2523/847**
6. **B01J 2523/00 + B01J 2523/13 + B01J 2523/41 + B01J 2523/43 + B01J 2523/68 + B01J 2523/72 + B01J 2523/842 + B01J 2523/845 + B01J 2523/847**
7. **B01J 2523/00 + B01J 2523/13 + B01J 2523/3712 + B01J 2523/41 + B01J 2523/68 + B01J 2523/69 + B01J 2523/842 + B01J 2523/845 + B01J 2523/847**
8. **B01J 2523/00 + B01J 2523/13 + B01J 2523/41 + B01J 2523/42 + B01J 2523/53 + B01J 2523/68 + B01J 2523/842 + B01J 2523/845 + B01J 2523/847**
9. **C07C 253/26 + C07C 255/08**

Cited by
US4469810A; EP0031693A1; EP0107638A3; EP0044875A1; EP0437056A3; TR26867A; GB2221852A; EP0002626A3

Designated contracting state (EPC)
BE CH DE FR GB NL SE

DOCDB simple family (publication)
EP 0000564 A1 19790207; **EP 0000564 B1 19820519**; AT 363911 B 19810910; AT A547778 A 19810215; AU 3793078 A 19800117; AU 525163 B2 19821021; BR 7804847 A 19790410; CA 1132124 A 19820921; DD 137532 A5 19790912; DE 2861849 D1 19820708; DK 333778 A 19790129; EG 13970 A 19830331; ES 471682 A1 19791001; FI 66129 B 19840531; FI 66129 C 19840910; FI 782285 A 19790129; GR 66444 B 19810323; IE 47301 B1 19840222; IE 781523 L 19790128; IL 55073 A 19820131; IN 148019 B 19800927; IT 1196394 B 19881116; IT 7826142 A0 19780726; NO 150345 B 19840625; NO 150345 C 19841003; NO 782582 L 19790130; PT 68312 A 19780801; RO 77761 A 19811124; ZA 783914 B 19790829

DOCDB simple family (application)
EP 78100469 A 19780721; AT 547778 A 19780727; AU 3793078 A 19780711; BR 7804847 A 19780727; CA 306799 A 19780705; DD 20691778 A 19780725; DE 2861849 T 19780721; DK 333778 A 19780726; EG 45978 A 19780726; ES 471682 A 19780713; FI 782285 A 19780719; GR 780156696 A 19780705; IE 152378 A 19780727; IL 5507378 A 19780704; IN 507DE1978 A 19780707; IT 2614278 A 19780726; NO 782582 A 19780727; PT 6831278 A 19780718; RO 9481478 A 19780727; ZA 783914 A 19780707