

Title (en)

POLYNARY VANADYL PYROPHOSPHATE

Title (de)

POLYNÄRES VANADYLPYROPHOSPHAT

Title (fr)

PYROPHOSPHATE DE VANADYLE POLYNAIRE

Publication

EP 2137104 A2 20091230 (DE)

Application

EP 08717694 A 20080312

Priority

- EP 2008052948 W 20080312
- DE 102007012723 A 20070316

Abstract (en)

[origin: WO2008113730A2] The invention relates to a novel polynary vanadyl pyrophosphate of general formula $(VO)_{a} (M_{1-b})_{b} V_{c}$ where a has a value of 0.5 to 1.5, b has a value of 0 to 0.9, c has a value of 1.5 to 2.5, said novel compound having a crystal structure and being characterized by defined diffraction reflexes in powder X-ray diffraction. A preferred representative is $(VO)_{a} Fe_{c} (P_{1-b})_{b}$. The vanadyl pyrophosphates are suitable as gas phase oxidation catalysts, e.g. for producing maleic anhydride from a hydrocarbon with at least four carbon atoms.

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

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