

Title (en)

METAL PHOSPHATE CONTAINING MANGANESE AND METHOD FOR ITS PRODUCTION

Title (de)

MANGAN ENTHALTENDE METALLPHOSPHATE UND VERFAHREN ZU DEREN HERSTELLUNG

Title (fr)

PHOSPHATES MÉTALLIQUES CONTENANT DU MANGANÈSE ET PROCÉDÉ POUR LES PRÉPARER

Publication

EP 2794472 A1 20141029 (DE)

Application

EP 12809277 A 20121221

Priority

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- EP 2012076669 W 20121221

Abstract (en)

[origin: WO2013093014A1] Monometallic phosphate containing manganese (Mn) of the type $Mn_3(PO_4)_2 \cdot x \cdot y \cdot H_2O$ or mixed metallic phosphate of the type $(Mnx \text{ Mety})_3(PO_4)_2 \cdot x \cdot y \cdot H_2O$, wherein $x + y = 1$ and Met represents one or multiple metals selected from Fe, Co, Ni, Sc, Ti, V, Cr, Cu, Zn, Be, Mg, Ca, Sr, Ba, Al, Zr, Hf, Re, Ru, La, Ce, Pr, Nd, Sm, Eu, Gd, Tb, Dy, Ho, Er, Tm, Yb and Lu, characterised in that the phosphate in the powder x-ray diffraction diagram has peaks at 10.96 ± 0.05 , 12.78 ± 0.17 , 14.96 ± 0.13 , 17.34 ± 0.15 , 18.98 ± 0.18 , 21.75 ± 0.21 , 22.07 ± 0.11 , 22.97 ± 0.10 , 25.93 ± 0.25 , 26.95 ± 0.30 , 27.56 ± 0.10 , 29.19 ± 0.12 , 29.84 ± 0.21 , 30.27 ± 0.12 , 34.86 ± 0.21 , 35.00 ± 0.20 , 35.33 ± 0.30 , 35.58 ± 0.10 , 35.73 ± 0.12 , 42.79 ± 0.45 , 43.37 ± 0.45 , 44.70 ± 0.15 and 44.93 ± 0.20 degree two-Theta, based on CuKalpha radiation.

IPC 8 full level

C01B 25/37 (2006.01); **C01B 25/45** (2006.01)

CPC (source: EP RU US)

C01B 25/37 (2013.01 - RU); **C01B 25/377** (2013.01 - EP US); **C01B 25/45** (2013.01 - EP RU US); **C01G 45/00** (2013.01 - RU); **H01M 4/5825** (2013.01 - EP US); **H01M 4/625** (2013.01 - US); **C01P 2002/52** (2013.01 - EP US); **C01P 2002/54** (2013.01 - EP US); **C01P 2002/72** (2013.01 - EP US); **C01P 2002/77** (2013.01 - EP US); **C01P 2004/04** (2013.01 - EP US); **C01P 2004/20** (2013.01 - EP US); **C01P 2004/32** (2013.01 - EP US); **C01P 2004/40** (2013.01 - US); **C01P 2006/40** (2013.01 - EP US); **Y02E 60/10** (2013.01 - EP)

Citation (search report)

See references of WO 2013093014A1

Designated contracting state (EPC)

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