

Title (en)

TRICALCIUM PHOSPHATE COARSE PARTICLE COMPOSITIONS AND METHODS FOR MAKING THE SAME

Title (de)

ZUSAMMENSETZUNGEN AUS TRICALCIUMPHOSPHAT-GROBPARTIKELN UND VERFAHREN ZU IHRER HERSTELLUNG

Title (fr)

COMPOSITIONS DE PARTICULES GROSSIÈRES DE PHOSPHATE TRICALCIQUE ET LEURS PROCÉDÉS DE FABRICATION

Publication

**EP 2352458 A4 20130828 (EN)**

Application

**EP 09831142 A 20091203**

Priority

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- US 32872008 A 20081204
- US 56853109 A 20090928

Abstract (en)

[origin: WO2010065780A1] Methods for preparing a tricalcium phosphate coarse particle composition are provided. Aspects of the methods include converting an initial tricalcium phosphate particulate composition to hydroxyapatite, sintering the resultant hydroxyapatite to produce a second tricalcium phosphate composition and then mechanically manipulating the second tricalcium phosphate composition to produce a tricalcium phosphate coarse particle composition. The subject methods and compositions produced thereby find use in a variety of applications.

IPC 8 full level

**A61F 2/02** (2006.01); **A61K 33/42** (2006.01)

CPC (source: EP)

**A61K 31/724** (2013.01); **A61K 33/42** (2013.01); **A61L 27/12** (2013.01)

Citation (search report)

- [XY] WO 0182834 A1 20011108 - CONSTANTZ BRENT R [US]
- [Y] EP 0950420 A2 19991020 - MERCK PATENT GMBH [DE]
- [Y] YOUNG-MIN KONG, HYOUN-EE KIM AND HAE-WON KIM: "Phase conversion of tricalcium phosphate into Ca-deficient apatite during sintering of hydroxyapatite-tricalcium phosphate biphasic ceramics", JOURNAL OF BIOMEDICAL MATERIALS RESEARCH PART B: APPLIED BIOMATERIALS, 2007, XP002700663
- [Y] NASSER Y. MOSTAFA: "Characterization, thermal stability and sintering of hydroxyapatite powders prepared by different routes.", MATERIALS CHEMISTRY AND PHYSICS, vol. 94, 2005, pages 333 - 341, XP002700662
- See references of WO 2010065780A1

Citation (examination)

US 2007189951 A1 20070816 - CONSTANTZ BRENT R [US], et al

Cited by

US9776870B2; US9776869B2

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