Title (en)

PROCESS FOR PRODUCING A CERAMIC MATERIAL BASED ON CALCIUM PHOSPHATE COMPOUNDS AND USE OF THIS MATERIAL

Title (de)

VERFAHREN ZUR HERSTELLUNG EINES KERAMISCHEN MATERIALS AUF DER BASIS VON CALCIUMPHOSPHATVERBINDUNGEN UND DESSEN VERWENDUNG

Title (fr)

PROCEDE DE PRODUCTION D'UN MATERIAU CERAMIQUE A BASE DE COMPOSES DE PHOSPHATE DE CALCIUM ET UTILISATION DE CE MATERIAU

Publication

EP 0892761 A1 19990127 (DE)

Application

EP 97921595 A 19970329

Priority

- DE 9700653 W 19970329
- DE 19614016 A 19960409

Abstract (en)

[origin: WO9737932A1] A process is disclosed for producing a ceramic material based on calcium phosphate compounds for use in dental medicine by admixture of a phosphate solution to a calcium salt solution, by separation of the material forming a precipitate in the reaction solution from the mother liquor, then by drying, crushing and sintering the thus obtained material. This process is characterised in that at least one dissolved orthophosphate and at least one dissolved diphosphate are added to the calcium salt solution, the molar ratio from diphosphate to orthophosphate lying in a range from 0.001 to 0.03:1, and the pH value of the reaction solution in which the precipitate is formed being maintained in a range from 7,5 to 12 until the end of the reaction.

IPC 1-7

C01B 25/32; A61K 6/033

IPC 8 full level

A61K 6/838 (2020.01); **A61L 27/12** (2006.01); **C01B 25/32** (2006.01); A61F 2/00 (2006.01)

CPC (source: EP US)

A61K 6/30 (2020.01 - EP US); **A61K 6/838** (2020.01 - EP US); **A61K 6/864** (2020.01 - EP US); **A61L 27/12** (2013.01 - EP US); **C01B 25/325** (2013.01 - EP US); A61F 2310/00293 (2013.01 - EP US)

Citation (search report)

See references of WO 9737932A1

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DOCDB simple family (publication)

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