Title (en)

METHOD FOR PRODUCING AN IMPLANT USING A CALCIUM CARBONATE-CONTAINING COMPOSITE POWDER COMPRISING MICROSTRUCTURED PARTICLES

Title (de)

VERFAHREN ZUR HERSTELLUNG EINES IMPLANTATES MIT CALCIUMCARBONAT-ENTHALTENDEM VERBUNDPULVER MIT MIKROSTRUKTURIERTEN TEILCHEN

Title (fr)

PROCÉDÉ DE FABRICATION D'UN IMPLANT AU MOYEN D'UNE POUDRE COMPOSITE À PARTICULES MICROSTRUCTURÉES CONTENANT DU CARBONATE DE CALCIUM

Publication

EP 3509657 A1 20190717 (DE)

Application

EP 17758109 A 20170817

Priority

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Abstract (en)

[origin: WO2018046269A1] The invention relates to a method for producing an implant which contains a composite powder comprising microstructured particles, obtainable by a method in which large polymer particles are bonded to small spherical calcium carbonate particles. Said calcium carbonate particles can be obtained by a method with the following steps: a) providing a calcium hydroxide suspension, b) introducing carbon dioxide or a carbon dioxide-containing gas mixture into the suspension from step a), and c) separating the calcium carbonate particles formed, while adding 0.3 wt.-% to 0.7 wt.-% of at least one amino trialkylene phosphonic acid.

IPC 8 full level

A61L 27/44 (2006.01); **C01F 11/18** (2006.01); **C08J 3/12** (2006.01); **C08J 3/20** (2006.01); **C08L 67/02** (2006.01); **C08L 67/04** (2006.01); **C09C 1/00** (2006.01); **C09C 1/02** (2006.01)

CPC (source: EP RU US)

A61L 27/025 (2013.01 - US); **A61L 27/18** (2013.01 - US); **A61L 27/40** (2013.01 - RU); **A61L 27/44** (2013.01 - RU); **A61L 27/446** (2013.01 - EP US); **A61L 27/56** (2013.01 - EP US); **A61L 27/58** (2013.01 - EP US); **B01J 2/00** (2013.01 - RU); **B29C 64/153** (2017.07 - US); **B33Y 10/00** (2014.12 - US); **B33Y 70/10** (2020.01 - EP RU US); **B33Y 80/00** (2014.12 - US); **C01F 11/18** (2013.01 - RU); **C01F 11/183** (2013.01 - EP US); **C08J 3/12** (2013.01 - RU); **C08J 3/124** (2013.01 - EP US); **C08J 3/20** (2013.01 - RU); **C08J 3/203** (2013.01 - EP US); **C08K 3/26** (2013.01 - US); **C08K 7/18** (2013.01 - US); **C09C 1/00** (2013.01 - RU); **C09C 1/0081** (2013.01 - EP US); **C09C 1/02** (2013.01 - RU); **C09C 1/021** (2013.01 - EP US); B29K 2067/046 (2013.01 - US); B29K 2995/006 (2013.01 - US); B29L 2031/7532 (2013.01 - US); C01P 2004/32 (2013.01 - EP US); C01P 2004/51 (2013.01 - US); C01P 2004/61 (2013.01 - EP US); C01P 2004/62 (2013.01 - EP US); C08J 2367/04 (2013.01 - EP US); C08K 7/18 (2013.01 - EP); C08K 2003/265 (2013.01 - EP US); C08K 2201/003 (2013.01 - EP US); C08K 2201/005 (2013.01 - US)

C-Set (source: EP US)

1. **A61L 27/446** + **C08L 67/04**
2. **C08K 3/26** + **C08L 67/04**

Citation (search report)

See references of WO 2018046269A1

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DOCDB simple family (application)

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