

Title (en)
CERAMIC PROCESSING AND PRODUCTS.

Title (de)
VERARBEITUNG KERAMISCHER MATERIALIEN UND PRODUKTE.

Title (fr)
TRANSFORMATION ET PRODUITS CERAMIQUES.

Publication
EP 0250570 A1 19880107 (EN)

Application
EP 87900617 A 19861230

Priority
US 81516085 A 19851231

Abstract (en)
[origin: WO8704110A1] A novel method of processing sinterable powders into sintered ceramic products of calcium phosphate compounds, such as hydroxylapatite, involving agglomeration of fine particles with a binding agent and extraction of the binding agent from the agglomerates prior to sintering. The sintered agglomerates have a porosity, particle size and spherical shape which provides a unique combination of advantageous properties when employed as implant materials.

Abstract (fr)
Un nouveau procédé de transformation de poudres frittibles en produits céramiques frittés en composés de phosphate de calcium, tels que h'hydroxylapatite, comprend l'agglomération de fines particules avec un liant et l'extraction du liant contenu dans les particules agglomérées avant le frittage. La porosité des agglomérés, la taille et la forme sphérique des particules qui les composent, permettent d'obtenir une combinaison unique de propriétés favorables lors de leur utilisation comme matériau d'implants.

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IPC 8 full level
A61F 2/28 (2006.01); **A61L 27/12** (2006.01); **C04B 35/447** (2006.01); **C04B 35/634** (2006.01); **C04B 35/636** (2006.01); **C04B 35/638** (2006.01); **A61F 2/00** (2006.01); **A61F 2/30** (2006.01)

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Citation (search report)
See references of WO 8704110A1

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