

Title (en)  
PROCESS FOR PRODUCING A BONE SUBSTITUTE MATERIAL

Title (de)  
VERFAHREN ZUM HERSTELLEN EINES KNOCHENERSATZMATERIALS

Title (fr)  
PROCEDE DE FABRICATION D'UN SUBSTITUT OSSEUX

Publication  
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Application  
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Abstract (en)  
[origin: DE19610715C1] The invention relates to a process for producing a bone substitute material from a high-porous ceramic block (10), which process is characterised in that a plurality of channels (20, 22, 24) are introduced into the ceramic block (10) and are filled with bio-resorbent polymer granules (30). The ceramic block (10) is subsequently heated to a temperature above the melting or flow temperature of the polymer granules (30). The invention also relates to a process for producing bone substitute material from a high-porous ceramic block (10), which process is characterised in that a plurality of channels (20, 22, 24) are introduced into the ceramic block (10) and are filled with bio-resorbent polymer material (30) which is either pourable or in the form of a preform. The ceramic block (10) with the polymer material (30) is subsequently treated with a substance or a substance mixture at high pressure under supercritical conditions, so that the thermoplastic synthetic material is flowable and/or mouldable.

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IPC 8 full level  
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3. **C04B 41/4523** + **C04B 41/48**  
4. **C04B 41/009** + **C04B 35/00**  
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