

[54] **PROCESS FOR MAKING BIOACTIVE COATINGS ON OSSEOUS PROSTHESES, AND PROSTHESES THUS OBTAINED**

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[57] **ABSTRACT**

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The present invention relates to a process for making bioactive coatings on osseous prostheses, wherein, from solutions, a mist of particles containing calcium ions and orthophosphate ions is made and said mist is brought into contact with an implant made of inert material under such operational conditions that at least one desired calcium phosphate is formed by reaction on the hot surface of said inert implant, and to the osseous implants obtained by this process.

[30] **Foreign Application Priority Data**

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[52] U.S. Cl. 427/2; 3/1.9

[58] Field of Search 3/1.9; 427/214

[56] **References Cited**

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3 Claims, 1 Drawing Figure

