

~~CLAIMS~~

- ~~1. A method for producing an α -tricalcium phosphate ceramic comprising the steps of: sintering the shaped powder, after shaping a powder material under pressure, or simultaneously with the shaping under pressure; and, further, cooling the sintered product.~~
- ~~2. A method for producing an α -tricalcium phosphate ceramic comprising the steps of: shaping a powder material prepared by a wet method using the monoaxial press method or CIP method; sintering the shaped powder material at a temperature of 1100 to 1500°C for 1 to 200 hours; and, further cooling the sintered product at a cooling rate of 100 to 2000°C/hr.~~
- ~~3. A method for producing an α -tricalcium phosphate ceramic according to claim 2, wherein the powder material obtained by the wet method is impregnated in a porous plastic material, followed by sintering.~~
- ~~4. A method for producing an α -tricalcium phosphate ceramic comprising the step of: sintering a powder material prepared by a wet method using a hot press method or HIP method at a temperature of 200 to 1500°C for 1 to 200 hours.~~
- ~~5. A method for producing an α -tricalcium phosphate ceramic according to any one of claims 2 to 5, wherein the powder material prepared by a wet method is at least one powder selected from the group consisting of β -tricalcium phosphate powder, α -tricalcium phosphate powder, and amorphous calcium phosphate powder, and mixtures of these powders with hydroxyapatite.~~
- ~~6. An α -tricalcium phosphate ceramic having an α -type single phase.~~