

**METHOD FOR PRODUCING A CERAMIC SUBSTANCE FOR A CERAMIC
MATERIAL**

ABSTRACT

The invention relates to a method for producing a ceramic substance (100), which comprises the steps of (S1) producing a homogeneous mixture containing (a) carbon fibres having a fibre length distribution of $D_{5\%} < 15 \mu\text{m}$ and (b) at least one powdery and carbonizable binder (20), (S2) compacting the homogeneous mixture under the action of pressure (30), (S3) thermally treating for carbonizing, or for carbonizing and graphitizing, the compacted homogeneous mixture to obtain a carbon substance, and (S4) siliconizing the carbon substance to obtain the ceramic substance.

[Fig. 1A]