

Title (en)
METHOD AND APPARATUS FOR ORIENTING PARTICLES IN A PASTE

Title (de)
VERFAHREN UND VORRICHTUNG ZUR AUSRICHTUNG VON PARTIKELN IN EINER PASTE

Title (fr)
PROCÉDÉ ET APPAREIL POUR ORIENTER DES PARTICULES DANS UNE PÂTE

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Application
EP 20833741 A 20201211

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Abstract (en)
[origin: WO2021122348A1] The invention relates to a method for orienting particles in a paste (13a, 23a), comprising: providing the paste (13a, 23a), which comprises particles that can be oriented in the paste, wherein the paste comprises, in particular, carbon-based particles, preferably graphite, and/or a volatile substance, and exposing the paste (13a, 23a) to the influence of a force field such that the particles experience a force due to the interaction with the force field, by means of which the particles are oriented relative to the field lines of the force field. For cost savings and improvement to productivity, the paste (13a, 23a) is heated in order to at least temporarily reduce the viscosity of the paste (13a, 23a) and to reduce the orientation time required for orienting the particles in the force field, wherein the paste (13a, 23a) is heated before exposing and/or while exposing the paste to the influence of the force field.

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