

Title (en)
DEVICE AND METHOD FOR VACUUM IMPREGNATION

Title (de)
VORRICHTUNG UND VERFAHREN ZUR VAKUUMIMPRÄGNIERUNG

Title (fr)
DISPOSITIF ET PROCEDE D'IMPREGNATION SOUS VIDE

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Abstract (en)
[origin: WO03013810A1] The invention relates to a method for the vacuum impregnation of small-particle material in an impregnating device (16, 16') comprising a dischargeable impregnating chamber (54, 84), an inlet (64, 64') for introducing the material into the impregnating chamber (54, 84), and an outlet (82, 82') for removing the material from the impregnating device (16, 16'). The inventive method comprises the following steps: a) the material is treated with a substance in order to produce a treated material having improved sealing behaviour in a stuffing screw compared to the untreated material, b) the treated material is transported to the inlet (64, 64) by means of a stuffing screw (52), c) the treated material is introduced into the impregnating chamber (54, 84) through the inlet (64, 64) by means of the stuffing screw (52) in such a way that the treated material seals the inlet (64, 64') as it is introduced, d) the material is impregnated in the impregnating chamber (54, 84) at low pressure using an impregnating agent, e) the impregnated material is transported to the outlet (82, 82), and f) the impregnated material is removed from the impregnating device (16, 16') via the outlet (82, 82) in such a way that the material seals the outlet (82, 82) as it is removed.

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