

Title (en)

DEVICE FOR MIXING POWDERS BY CRYOGENIC FLUID AND GENERATING VIBRATIONS AND PROCESS

Title (de)

VORRICHTUNG ZUM MISCHEN VON PULVERN MIT KRYOGENEM FLUID UND ZUR ERZEUGUNG VON SCHWINGUNGEN UND VERFAHREN

Title (fr)

DISPOSITIF DE MÉLANGE DE POUDRES PAR FLUIDE CRYOGÉNIQUE ET GÉNÉRATION DE VIBRATIONS ET PROCÉDÉ

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Application

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Abstract (en)

[origin: WO2017076945A1] The invention relates mainly to a device (1) for mixing powders (P) by a cryogenic fluid, characterised in that it comprises: a chamber (E1) for mixing the powders (P), comprising a cryogenic fluid (FC), provided with means for forming a fluidised powder bed; a chamber (A1) for supplying powders (P) in order to allow the powders (P) to be introduced into the mixing chamber (E1); a chamber (B1) for supplying cryogenic fluid (FC) in order to allow the cryogenic fluid (FC) to be introduced into the mixing chamber (E1); a system for generating vibrations (Vb) in the fluidised powder bed; and a system (Sp) for controlling the system for generating vibrations (Vb).

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