

Title (en)

USE OF ULTRASOUND FOR SOLIDIFYING MELTS OR SUPERSATURATED SOLUTIONS ON CONVEYOR BELTS OR RECEPTACLE DRUMS

Title (de)

ANWENDUNG VON ULTRASCHALL BEI DER VERFESTIGUNG VON SCHMELZEN ODER ÜBERSÄTTIGTEN LÖSUNGEN AUF FÖRDERBÄNDERN ODER AUFNAHMETROMMELN

Title (fr)

UTILISATION DES ULTRASONS POUR LA SOLIDIFICATION DE MATIERES EN FUSION OU DE SOLUTIONS SURSATUREES SUR DES BANDES TRANSPORTEUSES OU DANS DES TAMBOURS RECEPTEURS

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Application

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Abstract (en)

[origin: DE4431872C1] The invention concerns the exploitation of the process of initiating and/or accelerating and/or controlling crystallization or precipitation in supercooled melts or supersaturated solutions of solids. A problem frequently encountered with this process is that the duration of the process of solidification or crystallization cannot be precisely controlled or the process does not continue long enough to allow adequate solidification or crystallization. According to the present invention, the supercooled melt or supersaturated solution is exposed to ultrasound before being delivered to the conveyor belt in a belt system or while being discharged onto a conveyor belt, or before being delivered to a receptacle drum or while it is fed into a receptacle drum.

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