Title (en)

SYSTEM AND METHOD FOR THE CONTINUOUS SOLIDIFICATION AND/OR GRANULATION OF MOLTEN MATERIALS WITH HEAT PIPE DRUMS

Title (de)

VORRICHTUNG UND VERFAHREN ZUR KONTINUIERLICHEN ERSTARRUNG UND/ODER GRANULIERUNG EINER MATERIALSCHMELZE MITTELS WÄRMEROHR ROLLEN

Title (fr)

SYSTEME ET PROCEDE EN CONTINU POUR LA SOLIDIFICATION ET/OU LA GRANULATION DE MATIERES EN FUSION AVEC DES TAMBOURS DE CALODUC

Publication

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Application

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Priority

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Abstract (en)

[origin: WO9942236A1] There is disclosed a system and method for the solidification and/or granulation of matte, slag, alloys, bullion, metals in their elemental state and any other metal intermediate or compound. The system comprises a set of twin-drums rotating in opposite direction outwardly or inwardly, and onto which molten matte or slag is poured. The drums are sealed under vacuum and contain a working substance and a wick structure. The drums are also provided with a blade adjacent their external surface so that the solidified matte or slag is granulated when stripped from the surface of the drums. The granulated material can then be recovered in any conventional manner. Alternatively, a near net shape sheet may be produced.

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