

Title (en)

METHOD FOR REDUCING AND GRANULATING SLAG AND A DEVICE FOR CARRYING OUT THIS METHOD

Title (de)

VERFAHREN ZUM ZERKLEINERN UND GRANULIEREN VON SCHLACKEN SOWIE VORRICHTUNG ZUR DURCHFÜHRUNG DIESES VERFAHRENS

Title (fr)

PROCEDE DE FRAGMENTATION ET DE GRANULATION DE SCORIES, ET DISPOSITIF POUR LA MISE EN OEUVRE DE CE PROCEDE

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Application

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Abstract (en)

[origin: WO0068439A1] The invention relates to a method for reducing and granulating slag, according to which the molten slag is expelled into a granulating chamber by a propulsion jet. Gases, in particular, air or oxygen are fed into the molten slag to form foamed slag and the temperature of said foamed slag is raised to a temperature ranging between 1420 DEG and 1680 DEG C by the introduction of fuels, such as coal. The foamed slag is then expelled into a granulating chamber. The device has a tundish (1), into which a gas lance (20) opens and/or in whose base nozzles are located (2), in addition to a foamed slag overflow (5) and a slag outlet (6). The tundish (1) is provided with a pressure-tight lid (8), to which a sluice (9) is connected above the slag bath for introducing solid matter and coal. A lance (7) for introducing a carrier gas which expels the foamed slag (4) opens into the slag outlet (6).

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