

Title (en)

METHOD AND DEVICE FOR GRANULATING AND FRAGMENTING LIQUID SLAGS

Title (de)

VERFAHREN UND VORRICHTUNG ZUM GRANULIEREN UND ZERKLEINERN VON FLÜSSIGEN SCHLACKEN

Title (fr)

PROCEDE ET DISPOSITIF POUR LA GRANULATION ET LA FRAGMENTATION DE SCORIES LIQUIDES

Publication

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Application

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Abstract (en)

[origin: WO0044942A1] The invention relates to a method for granulating and fragmenting liquid slags, whereby the slag jet is expelled into a cooling reactor and is cooled in the cooling reactor by adding hydrocarbons. The slag jet is expelled into the cooling reactor with hot combustion gases, especially the gases resulting from a complete combustion, wherein conversion to CO and H₂ is effected. Burners (4) are disposed above the slag bath in the device for implementing the method, which device comprises a slag tundish (1) and a slag outlet (5), to which a cooling reactor (6) is connected. The slag tundish (1) can be closed pressure-proof. Lines (14) for the hydrocarbons are connected to the cooling reactor. Alternatively, the hot combustion gases of a combustion engine are blown to the liquid slags using a lance (7).

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