

Title (en)

DEVICE FOR SORTING WASTE SLAG FROM A WASTE INCINERATOR AND A METHOD FOR THE SORTING

Title (de)

VORRICHTUNG ZUM SORTIEREN VON ABFALLSCHLACKE AUS EINEM ABFALLVERBRENNUNGSANALGE UND SORTIERVERFAHREN

Title (fr)

DISPOSITIF DE TRI DES SCORIES PROVENANT D'UN INCINERATEUR DE DECHETS ET PROCEDE DE TRI

Publication

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Application

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Abstract (en)

[origin: WO03068406A1] The invention relates to an arrangement (1) and a method for the first sorting of waste slag from a waste incineration furnace, comprising a motor-driven roller grating (2) with a number of rollers (4) for the purpose of permitting fine pieces of waste slag (8) to pass through essentially vertically and for the onward transport of coarse pieces of waste slag (9) essentially horizontally, where the aforementioned roller grating (2) exhibits an intake end (10) and a discharge end (11). The invention is characterized in particular by: a first belt conveyor (13), situated beneath the roller grating (2) and so arranged as to collect fine pieces of waste slag (8) falling through the roller grating (2) and to transport these to a discharge end (14) situated adjacent to the discharge end (11) of the roller grating (2); a second belt conveyor (24), exhibiting an intake end (25) situated beneath the discharge end (11) of the roller grating (2) and so arranged in this way as to collect coarse pieces of waste slag (9) falling from the discharge end (11) of the roller grating (2), where the intake end (25) of the aforementioned second belt conveyor (24) is also situated at a distance from the discharge end (14) of the first belt conveyor (13) such that a slag passage (27) for fine pieces of waste slag (8) is present between the discharge end (14) of the first belt conveyor (13) and the intake end (25) of the second belt conveyor (24); and a rotating roller (30) situated at the intake end (25) of the second belt conveyor (24) and equipped with a magnet (36) so arranged as to attract fine magnetic pieces of scrap (37) from the fine pieces of waste slag (8) as they fall through the slag passage (27) and to carry these onto the second belt conveyor (24).

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