

Title (en)

METHOD FOR BURNING OF MUNICIPAL WASTES AND THE USE OF THE ASH PRODUCED IN THE BURNING

Title (de)

VERBRENNUNGSVERFAHREN FÜR STADSMÜLL UND VERWENDUNG VON BEI DER VERBRENNUNG GEBILDETEN ASCHE

Title (fr)

PROCEDE D'INCINERATION DE DECHETS URBAINS ET UTILISATION DES CENDRES RESULTANTES

Publication

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Application

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Abstract (en)

[origin: WO9514885A1] The invention relates to a method for burning municipal wastes. Solid, unsorted wastes (1) are pyrolyzed on a grate (4, 5), primary combustion air being introduced from below it, and the forming gas phase, to which secondary combustion air is added, is conveyed to a combustion chamber (8) to burn the combustible components of the gas. The essential idea in the invention is that, by means of air feed, the combustion temperature in the combustion chamber (8) is adjusted to at least 850 DEG C, that the ash separating from the solids burning on the grate (4, 5) is caused to melt at least in part so that, upon cooling, it will form granular, purely inorganic particles (9), and that by means of the infeed of secondary air, a turbulent mixing of air and pyrolysis gases is produced in the grate area. At the said temperature, complete combustion of the organic matter is achieved, and the forming pumice-like ash is usable, for example, as a filler material for earth construction.

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