Title (en)

METHOD FOR HEAT-TREATING RECYCLINGS CONTAINING OIL AND IRON OXIDE

Title (de)

VERFAHREN ZUR THERMISCHEN BEHANDLUNG ÖL- UND EISENOXIDHALTIGER RESTSTOFFE

Title (fr)

PROCEDE DE TRAITEMENT THERMIQUE DE RESIDUS CONTENANT DE L'HUILE ET DES OXYDES DE FER

Publication

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Application

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Abstract (en)

[origin: WO0014286A1] The invention relates to a method for heat-treating recyclings containing oil and iron oxide in a multiple hearth furnace. Said oven has several superposed tiers. The recyclings containing oil and iron oxide are mixed with a solid reducing agent and continuously fed into the multiple hearth furnace, placed on the top tier and then gradually transferred to the lower tiers. The recyclings are dried on the uppermost tier. The oil is then evaporated and pyrolysed and the reducing agents react with the iron oxide to form directly reduced iron. The directly reduced iron is then discharged together with residues of the reducing agents in the area of the lowest tier of the multiple hearth furnace.

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C21B 13/10; C22B 7/00

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Citation (search report)

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