

Title (en)  
METHOD FOR OPTIMISING THE OPERATION OF A TANK FURNACE

Title (de)  
PROZESSOPTIMIERUNG EINES SCHACHTOFENS

Title (fr)  
PROCEDE D'OPTIMISATION DU FONCTIONNEMENT D'UN FOUR A CUVE

Publication  
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Application  
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• LU 90333 A 19981223

Abstract (en)  
[origin: WO0038496A3] The invention concerns a method for optimising the operation of a tank furnace comprising nozzles which consists in making fine particles of prereduced ore. The fine particles of prereduced ore are mixed with a solid carbon reducing agent, the fine prereduced ore particles having a size distribution less than 2 mm and the solid carbon reducing agent having a size distribution less than 200  $\mu$  m. The mixture is injected hot through the nozzles into the tank furnace, wherein the fusion of the prereduced ore particles takes place.

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