

Title (en)  
SINTERED STEEL MANUFACTURING PROCESS

Title (de)  
HERSTELLUNGSVERFAHREN FÜR GESINTERTEN STAHL

Title (fr)  
PROCEDE DE FABRICATION D'ACIER FRITTE

Publication  
**EP 0767242 A4 19970917 (EN)**

Application  
**EP 95923548 A 19950629**

Priority  
• JP 9501301 W 19950629  
• JP 16860994 A 19940629

Abstract (en)  
[origin: WO9600800A1] A process for manufacturing a high-quality sintered steel characterized by providing a microwave generator between a raw material charge unit in a Dwight-Lloyd sintering machine and an ignition furnace therein, (1) heating a superficial portion of a raw material to 120-600 DEG C with a microwave alone, or (2) heating a superficial portion of a raw material to 50-200 DEG C with a microwave, and then to 150-600 DEG C by sucking hot blast, or (3) heating a superficial portion of a raw material to 150-600 DEG C by using a microwave and hot blast at once, and then drying/heating/sintering the superficial portion of the material to a high temperature speedily in a short period of time without causing the pseudo particles in the superficial portion of the sintered material to be broken.

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**C22B 1/20; F27B 21/08**

IPC 8 full level  
**C22B 1/16** (2006.01); **C22B 1/20** (2006.01); **F27B 21/06** (2006.01); **F27B 21/08** (2006.01); **F27D 99/00** (2010.01)

CPC (source: EP)  
**C22B 1/20** (2013.01); **C22B 1/205** (2013.01); **F27B 21/06** (2013.01); **F27D 2099/0028** (2013.01)

Citation (search report)  
• [A] EP 0500252 A1 19920826 - ONTARIO HYDRO [CA]  
• [E] PATENT ABSTRACTS OF JAPAN vol. 095, no. 011 26 December 1995 (1995-12-26)  
• [PX] PATENT ABSTRACTS OF JAPAN vol. 095, no. 005 30 June 1995 (1995-06-30)  
• See references of WO 9600800A1

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DE FR IT NL

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