

Title (en)  
PLANT FOR HEATING STEEL MATERIAL UP TO THE HOT-FORMING TEMPERATURE

Publication  
**EP 0199703 A3 19870527 (DE)**

Application  
**EP 86890061 A 19860313**

Priority  
AT 102385 A 19850404

Abstract (en)  
[origin: EP0199703A2] In such a plant with a preheating furnace (1) and, combined therewith, a heating furnace (2), there is provided between the entrance side of the heating furnace (2) and the exit side of the preheating furnace (1) a transport device (5) and also a flue gas line (23) which conducts flue gas from the heating furnace (2) to the preheating furnace (1). In order to be able to use cold steel material or steel material at higher temperature alternatively, the transport device (5, 6) can be charged on the one hand from the preheating furnace (1) and on the other hand from outside, the preheating furnace (1) is equipped with a number of high-speed burners (7) and the flue gas line (23) opens into a region of the outlet openings of the high-speed burners (7) which surrounds the flame jet (22) of the high-speed burners (7), it being possible to suck hot flue gas out of the heating furnace (2) by the suction effect of the high-speed burners (7). <IMAGE>

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**F27B 9/02**; **F27B 9/36**; **C21D 9/00**

IPC 8 full level  
**C21D 1/00** (2006.01); **C21D 1/52** (2006.01); **C21D 9/00** (2006.01); **F27B 9/02** (2006.01); **F27B 9/30** (2006.01); **F27B 9/36** (2006.01); **F27B 9/40** (2006.01); **F27B 9/12** (2006.01); **F27B 19/04** (2006.01)

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