

Title (en)

Control system for a counter-current operated tunnel furnace.

Title (de)

Regelsystem für einen im Gegenstrom betriebenen Tunnelofen.

Title (fr)

Système de régulation pour un four tunnel fonctionnant à contre-courant.

Publication

EP 0348603 B1 19940601 (DE)

Application

EP 89105526 A 19890329

Priority

DE 3821858 A 19880629

Abstract (en)

[origin: EP0348603A2] Control system for a countercurrent-operated tunnel furnace with smoke-gas control by vacuum in the heating zone and with an upper and a lower temperature limitation carrying out the control of the smoke-gas line, furthermore with a combustion zone regulated as a function of temperature, with rapid cooling regulated as a function of temperature and located at the start of the cooling zone, and with direct suction regulated as a function of temperature and an inflow-air fan regulated as a function of pressure and located at the end of the cooling zone, wherein, according to the invention, when an upper or a lower limit value of the temperature is reached at a point of the cooling zone between the rapid cooling (8) and first direct suction (9), the desired pressure value of the inflow-air fan (11) is adjusted upwards or downwards and thus ensures a variation of the pressure gradient in the furnace, by means of which the control of the smoke-gas fan is influenced. <IMAGE>

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IPC 8 full level

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CPC (source: EP)

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