

Title (en)
INDUSTRIAL FURNACE AND METHOD FOR OPERATING AN INDUSTRIAL FURNACE

Title (de)
INDUSTRIEOFEN SOWIE VERFAHREN ZUM BETRIEB EINES INDUSTRIEOFENS

Title (fr)
FOUR INDUSTRIEL ET PROCÉDÉ DE FONCTIONNEMENT D'UN FOUR INDUSTRIEL

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Abstract (en)
[origin: WO2009121326A2] The invention relates to an industrial furnace comprising a heatable interior chamber (1), a housing (2) enclosing the interior chamber (1), an insulating layer (3) which is at least partially lining the inner side of the housing (2), and thermal input means (4) for introducing thermal energy into the interior chamber (1). With respect to an energy-efficient operation, said industrial furnace is characterized by an insulating sleeve (7), which at least partially surrounds the housing (2) and is located at a distance from the housing wall, wherein a convection chamber (8) is formed between the housing wall and the insulating sleeve (2), and/or by a pre-heating and/or tempering furnace (10) in which the waste heat of the interior chamber (1) can be used. The invention further relates to a method for operating an industrial furnace.

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