

Title (en)

INDUSTRIAL FURNACE FOR HEATING PRODUCTS SUCH AS STEEL PRODUCTS

Title (de)

INDUSTRIEOFEN ZUR ERHITZUNG VON PRODUKTEN WIE ETWA STAHLPRODUKTE

Title (fr)

FOUR INDUSTRIEL POUR CHAUFFER DES PRODUITS TELS DES PRODUITS SIDERURGIQUES

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Application

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Priority

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Abstract (en)

[origin: WO2015132082A1] The invention concerns an industrial furnace comprising a thermally insulated enclosure and a plurality of burners distributed in a plurality of heating areas, the furnace further comprising recovery means (6) intended to recover heat energy from recovery fumes (F2) originating from a first combustion carried out by the burners. According to the invention, the recovery means (6) comprise a rotary regenerator (7) associated with each heating area (Z1, Z2, Z3), each of the rotary regenerators (7) being suitable for receiving a predefined flow of recovery fumes and a predefined flow of supply air, and for preheating this supply air in order to supply the burners (3) in the associated heating area with a predefined flow of preheated combustion air (9).

IPC 8 full level

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