

Title (en)

A PROCESS AND AN APPARATUS FOR OPTIMISED MANAGEMENT OF A KILN FOR CERAMIC TILES

Title (de)

VERFAHREN UND VORRICHTUNG ZUR OPTIMIERTEN VERWALTUNG EINES OFENS FÜR KERAMIKFLIESEN

Title (fr)

PROCESSUS ET APPAREIL POUR UNE GESTION OPTIMISÉE D'UN FOUR POUR CARREAUX EN CÉRAMIQUE

Publication

EP 1974173 A1 20081001 (EN)

Application

EP 06830297 A 20061201

Priority

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- IT RE20060007 A 20060126

Abstract (en)

[origin: WO2007085317A1] A process for management and retro-active regulation of a tunnel kiln for firing ceramic tiles, comprising burners located above the roller plane and below the roller plane, nozzles dispensing forced cold air in a terminal part of the kiln, and means for detecting a temperature internally of the kiln, controlled by a processor, comprises the following operations: setting the processor for a desired temperature curve; memorising in a first memory standard defects relating to shape and size of the tiles,- memorising in a second memory, for each of the standard defects, modifications for management of the kiln for in order to reduce the defects; performing at intervals on each tile of a same transversal alignment of tiles exiting from the kiln a control of a planarity and dimensions thereof in order to determine a type of defect detected by comparison with data contained in the first memory; and signalling the defect detected to the processor, which identifies the defect by comparison thereof with the data contained in the first memory and by modifying supply to the burners and to the cooling air nozzles on the basis indications of data contained in the second memory.

IPC 8 full level

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