

Title (en)
TUNNEL FURNACE FOR A BAKING PROCESS FOR CERAMIC MATERIALS

Title (de)
TUNNELOFEN FÜR EIN BRENNVERFAHREN FÜR KERAMISCHE MATERIALIEN

Title (fr)
FOUR TUNNEL POUR UN PROCESSUS DE CUISSON POUR MATÉRIAUX CÉRAMIQUES

Publication
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Application
EP 18020628 A 20181206

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Abstract (en)
The invention relates to a tunnel furnace for a baking process for ceramic materials, comprising a heating-, a firing- and a cooling zone. The firing zone comprises a stoking zone and a sintering zone and the stoking zone comprises burning zones equipped with gas burners, each burning zone having an initial and an end temperature set value. The tunnel furnace comprises a system steering - during the residence of the ceramic materials in a burning zone of the stoking zone - the temperature in the burning zone from the initial value till the end value according to a curve situated equal to or beneath the linear curve of the initial value till the end value of the burning zone. The invention also relates to a method for baking ceramic materials implementing the above steps. The tunnel furnace and method yield a substantive reduction in gas consumption and in fallout of disapproved baked products.

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CPC (source: EP)
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Citation (applicant)
DE 3438347 A1 19860424 - LEISENBERG WOLFGANG [DE]

Citation (search report)
• [X] US 4966547 A 19901030 - OKUYAMA TAKASHI [JP], et al
• [XD] DE 3438347 A1 19860424 - LEISENBERG WOLFGANG [DE]

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