

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

EP 3663688 A1 20200610 (EN)

Application

EP 18020628 A 20181206

Priority

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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.

IPC 8 full level

F27B 9/40 (2006.01)

CPC (source: EP)

F27B 9/40 (2013.01)

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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