



(12) **EUROPEAN PATENT APPLICATION**

(88) Date of publication A3:
17.03.2010 Bulletin 2010/11

(51) Int Cl.:
F27B 9/36 (2006.01) **F27B 9/40 (2006.01)**
F27D 19/00 (2006.01) **F27D 21/02 (2006.01)**

(43) Date of publication A2:
06.02.2008 Bulletin 2008/06

(21) Application number: **07108445.3**

(22) Date of filing: **18.05.2007**

(84) Designated Contracting States:
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR
 Designated Extension States:
AL BA HR MK RS

(71) Applicant: **Sacmi forni S.p.A.**
40122 Bologna (IT)

(72) Inventor: **PIFFERI, Giuseppe**
40122 BOLOGNA (IT)

(74) Representative: **Corradini, Corrado**
Ing. C. Corradini & C. S.r.l.
Via Dante Alighieri 4
42100 Reggio Emilia (IT)

(30) Priority: **28.07.2006 IT RE20060094**

(54) **A tunnel kiln for ceramic products**

(57) A tunnel kiln (1) for ceramic products comprising two opposite lateral walls (2), a horizontal roller conveyor (5) destined to support and advance a layer of tiles (100) internally of the kiln (1), a first series of burners (51) and a second series of burners (52) arranged aligned along the two lateral walls and facing towards the opposite wall, each burner (51) of the first series (51) being provided exclusively with an axial flame such as to heat a central zone of the tunnel while each burner (52) of the second series is provided with at least a radial-flame nozzle such as to heat a zone which is proximal to the lateral wall of the tunnel, each burner (51, 52) of the first and the second series being connected to a common conduit (60) of com-

bustible gas and respectively to a first (510) and a second (520) conduit of a comburent, comprising: means (523) for detecting a dimensional out-of-size with respect to a design project specification for the products exiting the kiln (1); a control unit (522) for receiving data coming from the means (523) for detecting; means for regulating (521) a flow rate of the comburent to the burners (52) of the second series on the second conduit (520) of the comburent, the means for regulating (521) of the comburent flow rate being controlled by the control unit (522) which is programmed to command the means for regulating (521) according to the data received from the means for detecting (523).

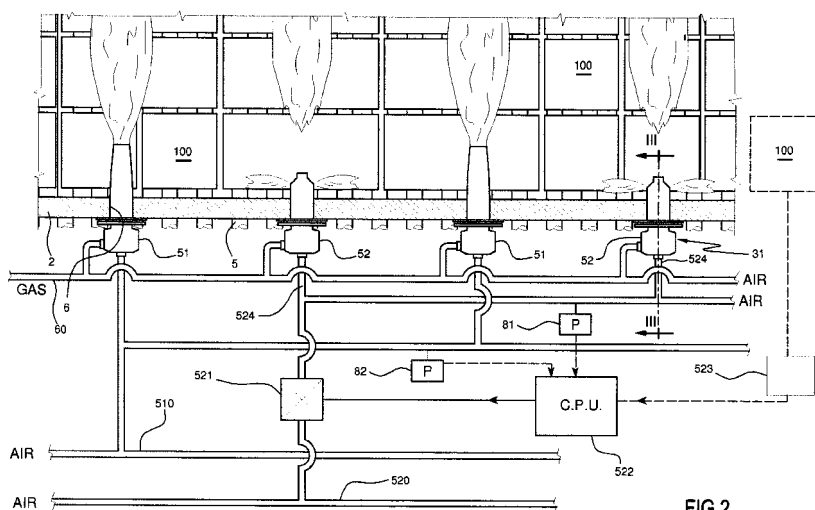


FIG.2



EUROPEAN SEARCH REPORT

Application Number
EP 07 10 8445

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
Y	EP 1 500 889 A1 (TCK S R L [IT]) 26 January 2005 (2005-01-26) * paragraphs [0003], [0021] - [0023], [0033], [0036]; claims 1-27 *	1-11	INV. F27B9/36 F27B9/40 F27D19/00 F27D21/02
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			TECHNICAL FIELDS SEARCHED (IPC)
			F27B F27D
The present search report has been drawn up for all claims			
Place of search The Hague		Date of completion of the search 4 February 2010	Examiner Rischard, Marc
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	

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EPO FORM 1503 03.82 (P04C01)

**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

EP 07 10 8445

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The members are as contained in the European Patent Office EDP file on
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04-02-2010

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