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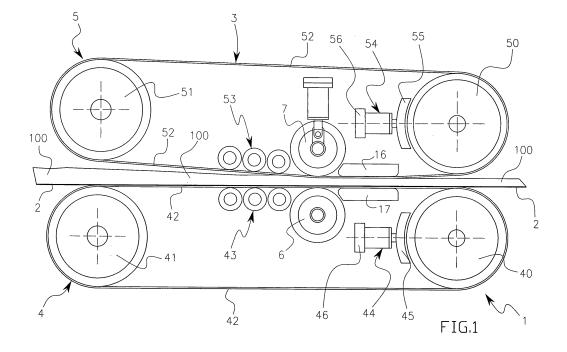
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(54) Improved plant for forming ceramic tiles or slabs

(57) A plant (1) for forming ceramic tiles or slabs comprising compacting means suitable for subjecting a continuous strip (100) of powdered ceramic material on a conveyor belt (2) to continuous pressing, the compacting means comprising at least one pair of sliding belts (42, 52), on top of and facing one another, each of which is

partially wound on at least one motorised drive roller (40, 50), means (44, 54) being foreseen for locking the aforementioned drive rollers (40, 50) when the plant (1) is shut down, so that the respective belts (42, 52) remain subjected to a tension of over 90% that to which they are subjected when the plant is operating.





EUROPEAN SEARCH REPORT

Application Number EP 05 07 7754

	DOCUMENTS CONSID	ERED TO BE RELEVANT		
Category	Citation of document with in of relevant pass	ndication, where appropriate, ages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
Y,D	EP 1 356 909 A (SAC MECCANICI IMOLA SOC SACMI COOPERAT) 29 October 2003 (20 * abstract; figures	CIETA' COOPERATIVA; 103-10-29)	1-6	INV. B28B3/12 B30B5/06
Υ	SU 925 794 A1 (DN M 7 May 1982 (1982-05 * abstract; figures	5-07)	1-6	
A	16 November 1965 (1	ICAN ANGUS WELLESLEY) 965-11-16) line 70 - column 2,	5,6	
Α	SU 1 518 236 A1 (PC BALITSKIJ PAVEL V,S 30 October 1989 (19 * abstract; figures	SU) 189-10-30)	1	
A	& US 2 407 253 A (C 10 September 1946 (* page 2, column 4,	CONNER GUY 0) 1946-09-10)	1-3	TECHNICAL FIELDS SEARCHED (IPC)
A	RU 2 167 096 C1 (T 20 May 2001 (2001-6 * abstract; figures		1-4	D030
A	RU 2 182 554 C1 (T 20 May 2002 (2002-6 * abstract; figures		1-3	
A		M-414), 1985-09-18) ISHIHARA KANKIYOU EISEI lay 1985 (1985-05-17)	1	
		-/		
	The present search report has	been drawn up for all claims		
	Place of search	Date of completion of the search	'	Examiner
	The Hague	2 October 2006	Lab	ore, Arnaud
X : parti Y : parti docu A : tech O : non	ATEGORY OF CITED DOCUMENTS cularly relevant if taken alone coularly relevant if combined with anot ment of the same category nological background written disclosure mediate document	L : document cited fo	oument, but publi e n the application or other reasons	shed on, or

EPO FORM 1503 03.82 (P04C01)



EUROPEAN SEARCH REPORT

Application Number EP 05 07 7754

Category	Citation of document with ir of relevant pass	ndication, where appropriate,	Releva to clain		CLASSIFICATION OF THE APPLICATION (IPC)
A	GB 22447 A A.D. 190	0 (WILLIAM WORBY er 1901 (1901-12-10)	2,4	n	AFFEIGATION (IFO)
				_	TECHNICAL FIELDS SEARCHED (IPC)
	The present search report has I	peen drawn up for all claims			
	Place of search	Date of completion of the search	· ·		Examiner
	The Hague	2 October 2006		Labr	e, Arnaud
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		E : earlier patent after the filing ner D : document cite L : document cite	T: theory or principle underlying the invention E: earlier patent document, but published on, or after the filing date D: document oited in the application L: document cited for other reasons &: member of the same patent family, correspondin document		

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

EP 05 07 7754

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

02-10-2006

EP 1356909 A 29-10-2003 BR 0300939 A 08-06-200 CN 1453110 A 05-11-200 IT RE20020035 A1 24-10-200 MX PA03003502 A 14-02-200 SU 925794 A1 07-05-1982 NONE US 3217863 A 16-11-1965 NONE SU 1518236 A1 30-10-1989 NONE US 2407253 A 10-09-1946 NONE RU 2167096 C1 20-05-2001 NONE RU 2182554 C1 20-05-2002 NONE JP 60087998 A 17-05-1985 NONE GB 190022447 A 10-12-1901 NONE	CN 1453110 A 05-11-200 IT RE20020035 A1 24-10-200 MX PA03003502 A 14-02-200 SU 925794 A1 07-05-1982 NONE US 3217863 A 16-11-1965 NONE SU 1518236 A1 30-10-1989 NONE US 2407253 A 10-09-1946 NONE RU 2167096 C1 20-05-2001 NONE RU 2182554 C1 20-05-2002 NONE JP 60087998 A 17-05-1985 NONE	Patent document cited in search report		Publication date		Patent family member(s)		Publication date
US 3217863 A 16-11-1965 NONE SU 1518236 A1 30-10-1989 NONE US 2407253 A 10-09-1946 NONE RU 2167096 C1 20-05-2001 NONE RU 2182554 C1 20-05-2002 NONE JP 60087998 A 17-05-1985 NONE	US 3217863 A 16-11-1965 NONE SU 1518236 A1 30-10-1989 NONE US 2407253 A 10-09-1946 NONE RU 2167096 C1 20-05-2001 NONE RU 2182554 C1 20-05-2002 NONE JP 60087998 A 17-05-1985 NONE	EP 1356909	A	29-10-2003	CN IT	1453110 RE20020035	A A1	05-11-200 24-10-200
SU 1518236 A1 30-10-1989 NONE US 2407253 A 10-09-1946 NONE RU 2167096 C1 20-05-2001 NONE RU 2182554 C1 20-05-2002 NONE JP 60087998 A 17-05-1985 NONE	SU 1518236 A1 30-10-1989 NONE US 2407253 A 10-09-1946 NONE RU 2167096 C1 20-05-2001 NONE RU 2182554 C1 20-05-2002 NONE JP 60087998 A 17-05-1985 NONE	SU 925794	A1	07-05-1982	NONE			
US 2407253 A 10-09-1946 NONE RU 2167096 C1 20-05-2001 NONE RU 2182554 C1 20-05-2002 NONE JP 60087998 A 17-05-1985 NONE	US 2407253 A 10-09-1946 NONE RU 2167096 C1 20-05-2001 NONE RU 2182554 C1 20-05-2002 NONE JP 60087998 A 17-05-1985 NONE	US 3217863	Α	16-11-1965	NONE			
RU 2167096 C1 20-05-2001 NONE RU 2182554 C1 20-05-2002 NONE JP 60087998 A 17-05-1985 NONE	RU 2167096 C1 20-05-2001 NONE RU 2182554 C1 20-05-2002 NONE JP 60087998 A 17-05-1985 NONE	SU 1518236	A1	30-10-1989	NONE			
RU 2182554 C1 20-05-2002 NONE JP 60087998 A 17-05-1985 NONE	RU 2182554 C1 20-05-2002 NONE JP 60087998 A 17-05-1985 NONE	US 2407253	Α	10-09-1946	NONE			
JP 60087998 A 17-05-1985 NONE	JP 60087998 A 17-05-1985 NONE	RU 2167096	C1	20-05-2001	NONE			
		RU 2182554	C1	20-05-2002	NONE			
GB 190022447 A 10-12-1901 NONE	GB 190022447 A 10-12-1901 NONE	JP 60087998	Α	17-05-1985	NONE			
		GB 190022447	Α	10-12-1901	NONE			
				10-12-1301	NONE			

For more details about this annex : see Official Journal of the European Patent Office, No. 12/82