



(11)

EP 1 319 914 A3

(12)

EUROPEAN PATENT APPLICATION

(88) Date of publication A3:
31.05.2006 Bulletin 2006/22

(51) Int Cl.:
F26B 13/10 ^(2006.01) **F26B 3/347** ^(2006.01)

(43) Date of publication A2:
18.06.2003 Bulletin 2003/25

(21) Application number: **02466005.2**

(22) Date of filing: **16.12.2002**

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

(30) Priority: **17.12.2001 CZ 20014532**

(71) Applicant: **Vyzkumny Ustav Textilnich Stroju
Liberec a.s.
461 19 Liberec (CZ)**

(72) Inventors:
• **Stejskal, Milan
460 15 Liberec (CZ)**
• **Klepl, Robert
463 12 Liberec (CZ)**
• **Vrba, Jan
109 00 Praha (CZ)**
• **Oppl, Ladislav
153 00 Praha (CZ)**

(74) Representative: **Musil, Dobroslav
Cejl 38
602 00 Brno (CZ)**

(54) **Microwave drier for fabrics**

(57) The invention relates to a microwave drier for fabrics (5) comprising an active plate (20) and a reflecting plate (21) between which there is situated a drying area (A) for the passage of the fabric (5), the drier also comprising at least one microwave radiation generator, a carrier device for fabrics (5), means for supplying cooling air

to the microwave radiation generator, and delivery means (12) for air saturated by the liquid being removed by drying from the fabric (5), in which the active plate (20) and the reflecting plate (21) are situated at a mutual distance corresponding to an odd multiple of a half of the wavelength of the microwave radiation applied.

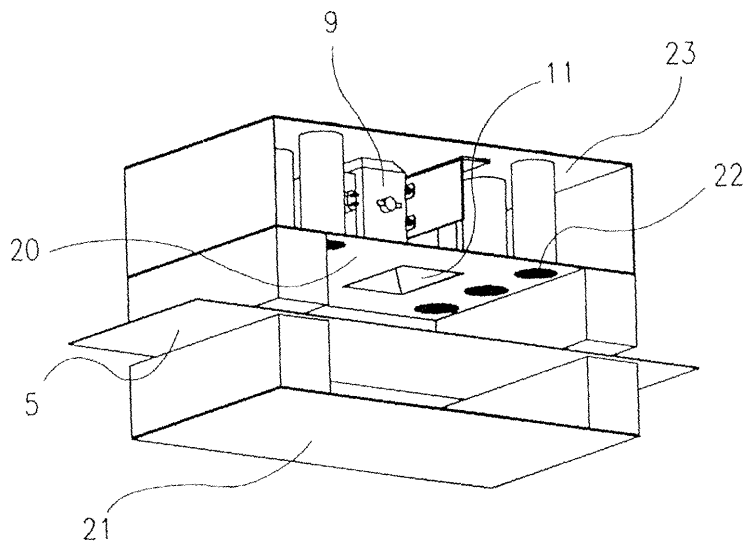


Fig. 4



European Patent
Office

EUROPEAN SEARCH REPORT

Application Number
EP 02 46 6005

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
A	DE 40 32 496 A1 (WIENEKE, FRANZ, PROF. DR.-ING., 3406 BOVENDEN, DE) 25 April 1991 (1991-04-25) * column 3, lines 39-45 *	1-6	F26B13/10 F26B3/347
A	EP 0 071 123 A (AGFA-GEVAERT AKTIENGESELLSCHAFT) 9 February 1983 (1983-02-09) * page 9, lines 4-25 *	1-6	
A	US 3 494 722 A (OSCAR S. GRAY) 10 February 1970 (1970-02-10) * column 5, lines 65-70 *	1-6	
A	US 3 507 050 A (FRANKLIN J. SMITH ET AL) 21 April 1970 (1970-04-21) * column 8, lines 10-26 *	1-6	
A	US 4 110 709 A (DAY, JR. ET AL) 29 August 1978 (1978-08-29) * column 7, lines 24-45 *	1-6	
			TECHNICAL FIELDS SEARCHED (IPC)
			F26B
The present search report has been drawn up for all claims			
Place of search The Hague		Date of completion of the search 5 April 2006	Examiner Garrido Garcia, M
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			

2
EPO FORM 1503 03.82 (P04C01)

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

EP 02 46 6005

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.

05-04-2006

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
DE 4032496	A1	25-04-1991	NONE	
EP 0071123	A	09-02-1983	DE 3130358 A1 JP 58026979 A	17-02-1983 17-02-1983
US 3494722	A	10-02-1970	NONE	
US 3507050	A	21-04-1970	CA 963249 A1 DE 1808954 A1	25-02-1975 18-09-1969
US 4110709	A	29-08-1978	NONE	