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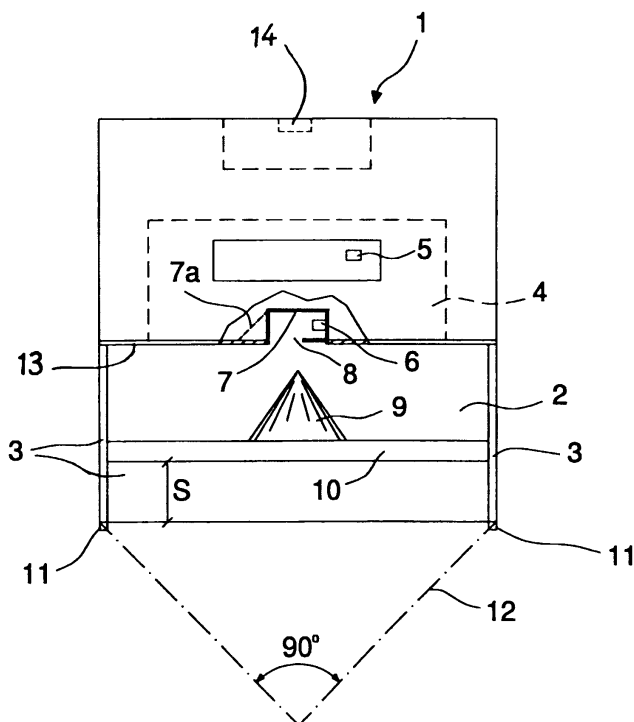
(30) Priority: **25.06.1998 FI 981463**

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(54) **Portable microwave drying apparatus**

(57) The invention relates to a portable drying apparatus for drying structures by means of microwaves. The apparatus includes a housing (1) which is divided by a partition (13) into two compartments, one being provided with a magnetron (4) and the other functioning as an application chamber (2) for radiation. The magnetron (4), along with its drive circuit, operating switch (5) and

wave tube (7), is picked up from a home microwave oven for exploiting the economics of scale. In order to homogenize radiation and to block back reflection, the application chamber (2) is provided with a metal reflector cone (9), supported by a dielectric plate (10) and having its apex pointing towards a transmission aperture (8) of the wave tube (7).



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EUROPEAN SEARCH REPORT

Application Number
EP 99 66 0105

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.6)
A	WO 89 07694 A (WINTERTHUR BORGES A S) 24 August 1989 (1989-08-24) * page 4, line 22 - page 5, line 31; figures *	1	H05B6/78 H05B6/72
A	CA 1 082 801 A (CANADA MAJESTY IN RIGHT OF) 29 July 1980 (1980-07-29) * claim 1; figure 1 *	1	
			TECHNICAL FIELDS SEARCHED (Int.Cl.6)
			H05B E01C E04B F26B
The present search report has been drawn up for all claims			
Place of search		Date of completion of the search	Examiner
THE HAGUE		15 March 2000	Castanheira Nunes, F
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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**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

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15-03-2000

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