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(54) **Ultrasonic cutting device**

(57) An ultrasonic cutting system comprising an ultrasonic vibrating device (10) having an operative face, a block horn (11) having a responsive face connected to the operative face of the ultrasonic vibrating device (10) and an operative face, and a plurality of cutting blades (13) mounted on the operative face of the block horn (11) so as to be vibrated thereby/therewith, the blades lying in a plane containing the longitudinal axis of vibrations characterised in that the block horn (11) is provided with at least one tuning slot (12) traversing the block between the operative and responsive faces.

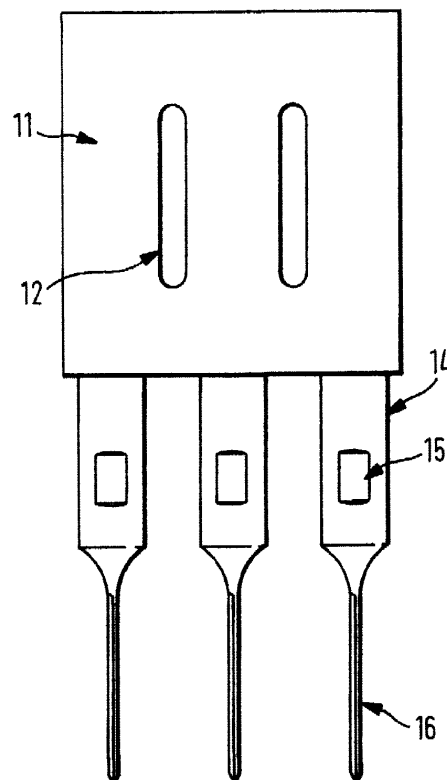


FIG. 2



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EUROPEAN SEARCH REPORT

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DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.CI.6)
X	PATENT ABSTRACTS OF JAPAN vol. 014, no. 367 (M-1008), 9 August 1990 (1990-08-09) & JP 02 131922 A (CHIYOUONPA KOGYO KK), 21 May 1990 (1990-05-21) * abstract * -----	1, 17, 20	B26D7/08
			TECHNICAL FIELDS SEARCHED (Int.CI.6)
			B26D
The present search report has been drawn up for all claims			
Place of search MUNICH		Date of completion of the search 21 March 2001	Examiner Müller, A
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
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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

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21-03-2001

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