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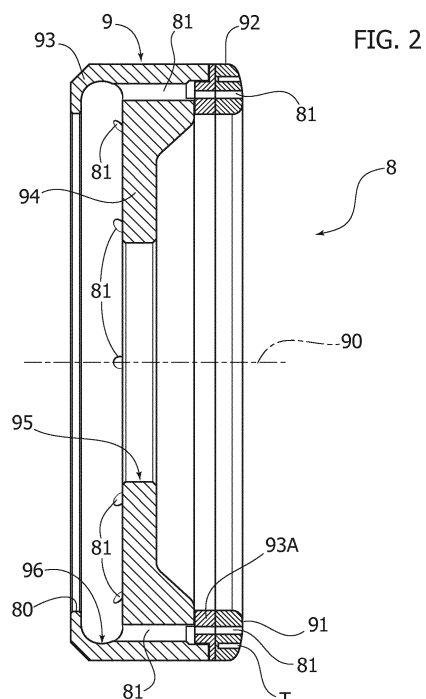
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(54) **METHOD AND SYSTEM FOR FEEDING A COOLING FLUID DURING MACHINING OF A WORKPIECE BY MEANS OF A CUP GRINDING WHEEL, AND CUP GRINDING WHEEL USED THEREIN**

(57) During machining of a workpiece (L) by means of a cup grinding wheel (8) controlled by a rotating spindle (3), coolant is fed into the area of contact between the annular front surface (91) of the cup grinding wheel (8) and the workpiece (L) being machined, by means of passages (81) formed in the body of the cup grinding wheel (8) and leading to said annular front surface (91). These passages (81) receive coolant fed by one or more coolant dispensers (10) arranged in fixed positions on the outside of the spindle (3) and configured to direct jets of coolant inside the cup grinding wheel body and through the aforesaid passageways leading to the annular front surface (91) of the cup grinding wheel (8). In the annular front surface (91) of the cup grinding wheel (8), at least one circumferential continuous groove (T) is formed that follows a wavy path, in order to cover a predominant portion of the radial extension of the aforesaid annular front surface (91) of the cup grinding wheel (8).





## EUROPEAN SEARCH REPORT

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EP 17 17 6579

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			B24B B24D
The present search report has been drawn up for all claims			
Place of search <b>Munich</b>		Date of completion of the search <b>6 April 2018</b>	Examiner <b>Koller, Stefan</b>
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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5 This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.  
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