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Method and apparatus for machining bores.

A thin workpiece bore wall (14b) separating the bore from an adjacent internal passage (16) is machined with a tool (34) expandable against the wall while the adjacent passage is fluid pressurized to exert a pressure on the thin wall counter to the distorting force exerted by the expandable tool on the wall during machining. Bore geometry is thereby improved.

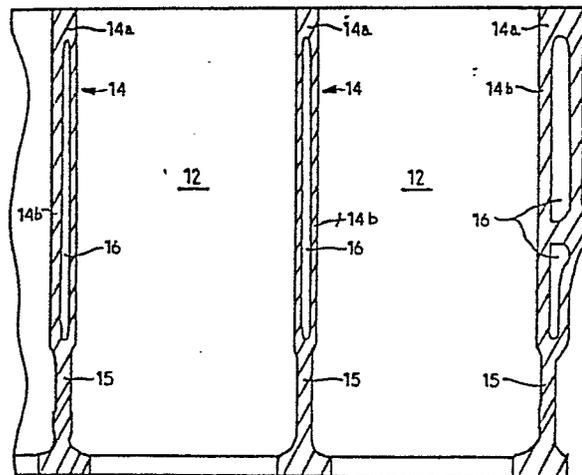


FIG. 1



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. 3)
A	DE-A-2 025 515 (BARNES) * Page 5, line 23 - page 6, line 12 *	1, 4, 5, 6, 10	B 24 B 33/02
A	FR-A-2 075 482 (GEHRING) * Claim 1; figure 1 *	1-3, 7- 9, 11	
A	US-A-4 290 236 (BREWER) * Abstract; figures 2, 3 *	1	
A	US-A-2 832 653 (WILSON)		
A	DE-A-2 810 322 (NAGEL)		
A	US-A-3 465 481 (SZWARCMAN)		TECHNICAL FIELDS SEARCHED (Int. Cl. 3) B 24 B B 23 P F 02 F F 16 J
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 04-10-1985	Examiner ESCHBACH D.P.M.
<p>CATEGORY OF CITED DOCUMENTS</p> <p>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</p> <p>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</p>			

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