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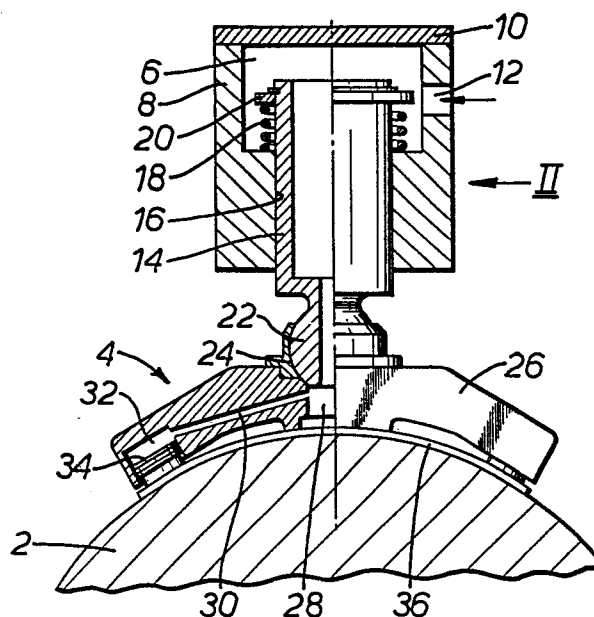
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84 Designated Contracting States: **AT BE CH DE FR GB IT LI LU NL SE**

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54 **Coolant applicator.**

57 A coolant applicator is described in which a flexible, apertured plate (36) is hydraulically loaded so the flexible plate is brought close to the surface to be cooled; coolant is supplied to pass through and form a hydrostatic bearing layer between the plate and the surface, and the plate being deformed to the shape of the surface by the hydraulic loading. In one embodiment a hydraulically loaded coolant applying pad comprises a piston-cylinder assembly (14, 16) is connected to a supply of coolant under pressure, while the piston (16) is hollow to allow passage of the coolant, and a flexible plate 36 movably mounted on the piston, has apertures in fluid connection with the cylinder (14) via the piston (16), and is arranged so that, in use, coolant passing through the apertures in the plate (36) forms a hydrostatic bearing layer between the plate (36) and the surface.





European Patent
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EUROPEAN SEARCH REPORT

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Application number

EP 84 30 4053

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.4)
Y	US-A-3 357 224 (MULLER) * Claim 1; figure 1, numbers 12,28,44 *	1,2	B 21 B 27/10
Y	--- PATENT ABSTRACTS OF JAPAN, vol. 7, no. 128, 3 June 1983, page (M-220)(1273); & JP-A-58-47502 (HITACHI) 19-03-1983 * Abstract *	1,2	
A	--- PATENT ABSTRACTS OF JAPAN, vol. 4, no. 57, 26 April 1980, page (M-9)(539); & JP-A-55-24774 (HITACHI) 22-02-1980		
A	--- DE-A-1 809 328 (KAISER) * Claims 1-5; figures 1,3 *		TECHNICAL FIELDS SEARCHED (Int. Cl.4)
A	--- DE-A-3 049 490 (ACHENBACH BUSCHHÜTTEN) -----		B 21 B 27/00
The present search report has been drawn up for all claims			
Place of search BERLIN		Date of completion of the search 22-02-1985	Examiner SCHLAITZ J
<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>			

