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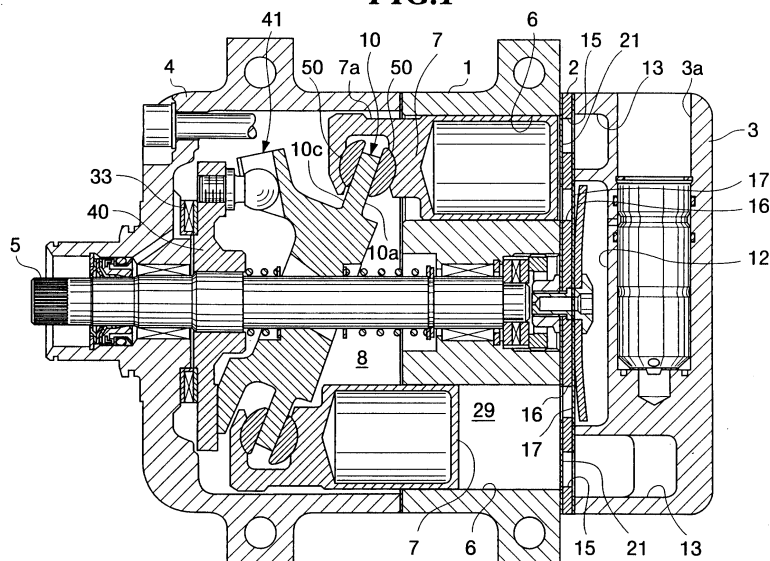
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(54) **Swash plate compressor**

(57) A swash plate (10) of a swash plate compressor has opposite sliding surfaces (10a, 10c) and is rotatable as a drive shaft (5) rotates. Each of a plurality of pistons (7) is connected to the swash plate (10) via a pair of shoes (50) arranged to perform relative rotation on respective opposite sliding surfaces (10a, 10c) of the swash plate (10) with respect thereto, and is reciprocable within a corresponding one of a plurality of cylinder bores (6) formed through a cylinder block (1), as the

swash plate (10) rotates. Each of the opposite sliding surfaces (10a, 10c) of the swash plate (10) is coated with a surface-treatment coating having a thickness which is set in a manner such that when the swash plate (10) has been assembled with each piston (7) via the pair of shoes (50), pressure is applied from the pair of shoes (50) on the sliding surfaces (10a, 10c) of the swash plate (10), and when initial abrasion of the surface-treatment coating has been completed, the base material of the swash plate (10) is not exposed.

FIG.1



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EUROPEAN SEARCH REPORT

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Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.6)
A	US 4 683 803 A (MILLER GARY T ET AL) 4 August 1987 * column 1, line 15 - column 3, line 28; figures 1-5 *	1	F04B27/08 F04B27/10
A	EP 0 631 052 A (TOYODA AUTOMATIC LOOM WORKS) 28 December 1994 * column 1, line 23 - column 6, line 16; figures 1-6 *	1	
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A	PATENT ABSTRACTS OF JAPAN vol. 015, no. 447 (M-1179), 14 November 1991 & JP 03 189377 A (HITACHI LTD), 19 August 1991 * abstract *	1	
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The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 11 February 1999	Examiner Ingelbrecht, P
<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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**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

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