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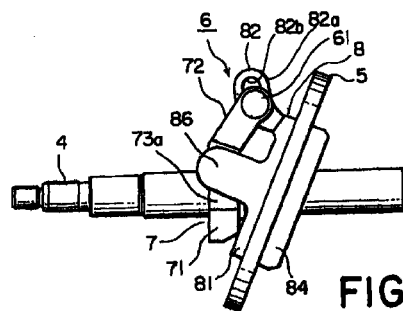
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(54) **Swash plate type compressor having an improved torque transmission mechanism between a shaft and a swash plate**

(57) In a swash plate type compressor in which a hinge mechanism (6) supporting a swash plate (5) on a shaft (4) in such a manner that the swash plate has an inclination angle variable relative to the axial direction, the hinge mechanism serves to transmit a driving torque of the shaft to the swash plate and comprises a fixed hinge (7) fixedly connected to the shaft and a movable hinge (8) fixedly connected to the swash plate. The fixed hinge has a fixed arm (72). The movable hinge has a movable arm (82) which is coupled to the fixed arm to be pivotal around an axis extending perpendicular to the axial direction. The fixed and the movable arms transmit a part of the driving torque to the swash plate in cooperation with each other. Further, the fixed hinge has an auxiliary fixed coupling portion (73). The movable hinge has an auxiliary movable coupling portion (86) engaged with the auxiliary fixed coupling portion. With this arrangement, another part of the driving torque is transmitted from the shaft to the swash plate in cooperation of the auxiliary fixed and the auxiliary movable coupling portions.



**FIG. 2B**

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# EUROPEAN SEARCH REPORT

Application Number  
EP 99 10 5502

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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)
X	US 4 674 957 A (OHTA MASAKI ET AL) 23 June 1987 (1987-06-23) * column 7, line 63 - column 9, line 16; figures 6,7 *	1,2,5	F04B27/10
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A	EP 0 568 944 A (SANDEN CORP) 10 November 1993 (1993-11-10) * column 6, line 42 - column 7, line 14; figure 5 *	1-10	
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The present search report has been drawn up for all claims			<b>TECHNICAL FIELDS SEARCHED (Int.Cl.6)</b>  F04B
Place of search <b>THE HAGUE</b>		Date of completion of the search <b>15 January 2000</b>	Examiner <b>Bertrand, G</b>
<b>CATEGORY OF CITED DOCUMENTS</b> 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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