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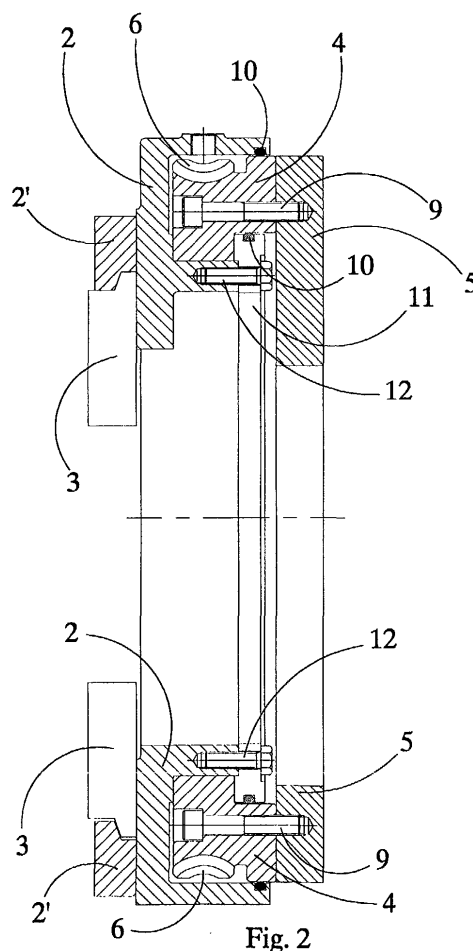
(54) **Rotation device for working units in lift trucks or the like**

(57) The present device is provided with conceptually new means which allows an angular displacement of the fork-carrying or tool-carrying plate, which means are very advantageous in comparison with the known solutions as the conventional system of rotation on ball bearings is no longer necessary.

In general, such means comprises a rotation device (1) which is obtained by a fixed element or casing (2) on the rear side of which there are fixing clamps (2') which are to be coupled with corresponding front clamps (3) which are fixed to the self-moving lift truck.

The fixed element or casing (2) is provided with a hollow seat in which a crown (4) is inserted.

The crown (4) represents the rotating part on which an outer fork-carrying unit is mounted. A supporting plate (5) is included in the fork-carrying unit.





European Patent
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EUROPEAN SEARCH REPORT

Application Number
EP 01 10 6014

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Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.7)
X	DE 12 63 607 B (VALMET OY FA) 14 March 1968 (1968-03-14)	1-3,5	B66F9/12
A	* column 2, line 39 - column 3, line 18 * * figures *	4	

Y	JP 57 145800 A (NISSAN MOTOR) 8 September 1982 (1982-09-08)	1,4,6,7	
A	* figure 3 *	2,3,5	

Y	US 5 957 000 A (PECORARI PAUL A) 28 September 1999 (1999-09-28)	1,4,6,7	
A	* abstract; figures 1,3,4 * * column 2, line 19 - line 47 * * column 2, line 56 - column 3, line 10 *	5,9	

A	DE 418 679 C (PFAUTER FA HERMANN) 15 September 1925 (1925-09-15) * figure 1 *	1,8	

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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 24 April 2003	Examiner Guthmuller, J
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
ON EUROPEAN PATENT APPLICATION NO.**

EP 01 10 6014

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.
The members are as contained in the European Patent Office EDP file on
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24-04-2003

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