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(54) Vibrator for installing on drilling machine "rotaries".

(57) This invention concerns a vibrator for installing directly under the "rotary" of drilling machines. The actual vibrator is fitted in a casing (5) with a vertical through hole at the centre (4a), and closed at the bottom by a plate (4) which supports a double vice (1) and at the top by a counter-plate (6) joined

elastically, by an annular series of shock absorbers (10), to an overlying platform (7) which is anchored firmly to the flange of the "rotary" by means of support and fixing U-bolts.

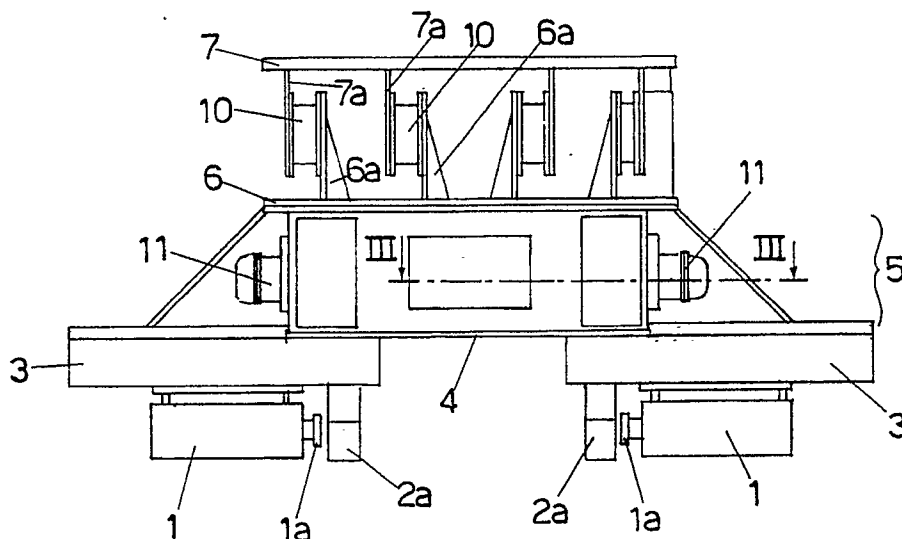


FIG. 2



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EUROPEAN SEARCH REPORT

Application Number

EP 89 83 0412

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.5)		
A	US-A-3 734 212 (PERLEWITZ) * Abstract; figures 5,7,9; column 3, lines 33-67 * - - -	1	E 21 B 7/24 E 21 B 7/20		
A	US-A-3 734 209 (HAISCH) * Abstract; figure 7; column 4, lines 24-44 * - - -	1			
A	US-A-3 903 973 (LEYRAT) * Abstract; figures 2,3; column 2, lines 20-24 * - - - - -	1			
			TECHNICAL FIELDS SEARCHED (Int. Cl.5)		
			E 21 B		
The present search report has been drawn up for all claims					
Place of search The Hague		Date of completion of search 21 January 91	Examiner WEIAND T.		
<table><tr><td>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</td><td>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</td></tr></table>				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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