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⑤④ **Motor grader broom.**

⑤⑦ A rotary broom attachment (2) (Figure 1), for a motor grader which has a mold board (4) and means (8) to adjust the mold board for vertical elevation, side shift, and rotary position about vertical and horizontal axes, is mounted behind and parallel to the mold board and has independent adjustment and control means (28, 29) for side shift and vertical positioning of the broom relative to the mold board. Sensors are used to signal automatic shifting of the broom vertically or in side shift to avoid interference with the motor grader structure as well as obstacles in the path of the broom. The downward pressure of the broom is controlled by the proportional lift applied thereto by a hydraulic lift means.

EP 0 123 549 A3



European Patent
Office

EUROPEAN SEARCH REPORT

0123549

Application number

EP 84 30 2735

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. 3)
X	US-A-3 880 243 (GURRIES) * Column 2, line 61 - column 7, line 42; figures 1,4 *	1,4-6	E 02 F 3/76 E 01 H 1/05
Y	---	2,3,13	
Y	US-A-1 806 054 (GARDNER) * The whole document *	2,3	
A	---	11-13	
Y	DE-A-2 455 200 (KIBO) * Claim 1; figure 1 *	13	
	---		TECHNICAL FIELDS SEARCHED (Int. Cl. 3)
A	US-A-3 448 816 (BEALS) * Column 2, line 29 - column 4, line 33; figures 1-4 *	7-10	E 02 F E 01 H

A	US-A-3 287 834 (HOPKINS) * Figures 1-4 *	1-5,11	

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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 25-01-1985	Examiner RAMPELMANN
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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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. ³)
A	US-A-1 559 278 (NEUERT) * Figure 3 * -----	1, 2, 4	
A	DE-A-2 821 627 (KUGELMANN) * Figure * -----	13	
			TECHNICAL FIELDS SEARCHED (Int. Cl. ³)
The present search report has been drawn up for all claims			
Place of search		Date of completion of the search	Examiner
<div>CATEGORY OF CITED DOCUMENTS</div> <div><div>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</div><div>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</div></div>			

