

Title (en)  
MOTOR GRADER BROOM

Publication  
**EP 0123549 A3 19850522 (EN)**

Application  
**EP 84302735 A 19840424**

Priority  
US 48808483 A 19830425

Abstract (en)  
[origin: EP0123549A2] A rotary broom attachment (2), 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.

IPC 1-7  
**E02F 3/76**; **E01H 1/05**

IPC 8 full level  
**E01H 1/05** (2006.01); **E02F 3/76** (2006.01); **E02F 3/815** (2006.01); **E02F 3/84** (2006.01)

CPC (source: EP)  
**E01H 1/056** (2013.01); **E02F 3/7604** (2013.01); **E02F 3/765** (2013.01); **E02F 3/8155** (2013.01); **E02F 3/845** (2013.01)

Citation (search report)  
• [X] US 3880243 A 19750429 - GURRIES RAYMOND A, et al  
• [Y] US 1806054 A 19310519 - GEORGE GARDNER  
• [Y] DE 2455200 A1 19760526 - KIBO KOMMUNALMASCH GMBH & CO  
• [A] US 3448816 A 19690610 - BEALS DUANE E, et al  
• [A] US 3287834 A 19661129 - HOPKINS EITHEL G  
• [A] US 1559278 A 19251027 - NEUERT JOHN M  
• [A] DE 2821627 A1 19791122 - KUGELMANN SIEGFRIED

Cited by  
EP0210347A3; EP0270674A4; CN107882089A; EP0882843A3; EP0843047A1; EP0284600A3; US9938689B2

Designated contracting state (EPC)  
DE GB SE

DOCDB simple family (publication)  
**EP 0123549 A2 19841031**; **EP 0123549 A3 19850522**; CA 1224919 A 19870804; JP S6016624 A 19850128; NO 841610 L 19841025

DOCDB simple family (application)  
**EP 84302735 A 19840424**; CA 452634 A 19840424; JP 8277384 A 19840424; NO 841610 A 19840424