

Title (en)  
BRUSH PRESSURE SYSTEM

Title (de)  
BÜRSTENDRUCKSYSTEM

Title (fr)  
DISPOSITIF A BROSSSE AVEC REGULATION DE LA PRESSION

Publication  
**EP 0850010 B1 20000503 (EN)**

Application  
**EP 96929440 A 19960906**

Priority  
• GB 9602204 W 19960906  
• GB 9518230 A 19950906

Abstract (en)  
[origin: WO9708984A1] A brush pressure control system for a cleaning, sweeping or scrubbing machine comprising a machine frame supporting a brush head (8), an actuator (10) for raising and lowering the brush head, mounted between the frame and the brush head, an elongate balance beam (32) pivotally connected to the frame (30) and connected at one end to the actuator for movement therewith, and at the other end having a counterbalance mass (35) mounted thereon. The pressure control system (24) is particularly useful for a pedestrian operated machine but may be applied to a ride-on machine too. The improvement allows the system to operate more effectively particularly over low ranges of pressure such as that corresponding to the weight of the brush head itself and it allows for a floating head system over a wide range of pressures. The counterbalance mass (35) is advantageously equivalent to the mass of the brush head (8) and a parallelogram linkage (38) may be provided between the frame and the brush head to keep the brush head generally horizontally positioned. A potentiometer may register the movement of the balance beam as the brush head is raised or lowered so as to provide an indication of brush wear.

IPC 1-7  
**A47L 11/40**

IPC 8 full level  
**A47L 11/14** (2006.01); **A47L 11/30** (2006.01); **A47L 11/40** (2006.01)

CPC (source: EP)  
**A47L 11/14** (2013.01); **A47L 11/305** (2013.01); **A47L 11/4058** (2013.01)

Cited by  
US11607102B2; EP4042918A1; US11612296B2; US11896178B2

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**WO 9708984 A1 19970313**; AU 6885296 A 19970327; DE 69608116 D1 20000608; DE 69608116 T2 20010111; DK 0850010 T3 20000925; EP 0850010 A1 19980701; EP 0850010 B1 20000503; GB 2305360 A 19970409; GB 9518230 D0 19951108

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