

Title (en)  
FLOOR CLEANING HEAD

Title (de)  
BODENREINIGUNGSKOPF

Title (fr)  
TÊTE DE NETTOYAGE DE SOL

Publication  
**EP 4056088 A1 20220914 (EN)**

Application  
**EP 22160863 A 20220308**

Priority  
• CN 202110256523 A 20210309  
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Abstract (en)  
A floor cleaning head (13) for a vacuum cleaner (10) comprises a housing (22) having an elongate cavity (56) on its underside (15) and an elongate floor cleaning roller (30) mounted axially in the cavity (50), the roller (30) being adapted to rotate solely by frictional contact with the floor surface during movement of the head across the floor surface being cleaned. A control mechanism (58) inhibits rotation of the roller (30) once the head has moved a certain distance in the forward direction during cleaning. The control mechanism (58) also inhibits rotation of the roller (30) once the head has moved a certain smaller distance in the rearward direction during cleaning. The static roller (30) acts to frictionally wipe and abrade the floor and the limited rotational movements help ensure that different rotational parts of the roller are frictionally engaged on successive strokes of the head, thereby avoiding wear.

IPC 8 full level  
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CPC (source: EP)  
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Citation (search report)  
• [XA] EP 1949839 A1 20080730 - SAMSUNG KWANGJU ELECTRONICS CO [KR]  
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• [XA] AU 2008203850 A1 20091210 - SAMSUNG ELECTRONICS CO LTD [KR]  
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• [XA] EP 3367865 A1 20180905 - KONINKLIJKE PHILIPS NV [NL]  
• [XI] US 5400467 A 19950328 - HWANG JIN-SUNG [KR]  
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Designated contracting state (EPC)  
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