

Title (en)  
BRUSHROLL AND FLOOR CLEANER

Title (de)  
BÜRSTENWALZE UND BODENREINIGER

Title (fr)  
BROSSE CYLINDRIQUE ET NETTOYEUR DE PLANCHER

Publication  
**EP 4122368 A3 20230426 (EN)**

Application  
**EP 22183990 A 20220709**

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Abstract (en)  
The present disclosure provides a floor cleaner that includes a replaceable component, such as a brushroll or a filter. The floor cleaner has a detection mechanism comprising a magnet on the replaceable component and a Hall Effect sensor positioned to detect the permanent magnet when the replaceable component is correctly installed on the floor cleaner. Operation of one or more electrically-powered components of the floor cleaner is prevented when the permanent magnet is not detected by the Hall Effect sensor.

IPC 8 full level  
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**A47L 11/4069** (2013.01); **A47L 11/4088** (2013.01)

Citation (search report)  
• [YA] US 2014082883 A1 20140327 - TRAN PHONG HOANG [US]  
• [XY] CN 111134569 A 20200512 - SUZHOU JUBANG ELECTRIC APPLIANCE CO LTD  
• [XY] CN 112137519 A 20201229 - SHENZHEN JIEAO INTELLIGENT TECH CO LTD  
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BA ME

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KH MA MD TN

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