

Title (en)  
SELF-PROPELLED FLOOR TREATMENT DEVICE AND SUCTION NOZZLE

Title (de)  
SELBSTFAHRENDE BODENBEHANDLUNGSVORRICHTUNG UND SAUGDÜSE

Title (fr)  
DISPOSITIF AUTOMOTEUR DE TRAITEMENT DE SOL ET BUSE D'ASPIRATION

Publication  
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Application  
**EP 17869321 A 20171108**

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Abstract (en)  
Provided is a self-moving ground processing apparatus and a suction nozzle. The self-moving ground processing apparatus includes at least an apparatus main body and a suction nozzle (1000) coupled to the apparatus main body, where, a suction port (100) is formed on the bottom of the suction nozzle, an advancing direction of the suction nozzle during the operation process is set as a forward direction, a front sealing strip (1003) is arranged on the front side of the suction port, the front sealing strip and includes a fixed end (10031) and a free end (10032) extending toward a working surface (B). The front sealing strip is made of a flexible material, and the front sealing strip is arranged to deviate from the forward direction, so that a projection of the fixed end on the working surface is positioned before a projection of the free end on the working surface. In the present disclosure, the perimeter of the suction port on the suction nozzle is sealed, so that the vacuum suction force in the suction port is improved, and the dust removal capacity of the self-moving ground processing apparatus is improved thereby. Particularly, the arrangement direction, shape and material of the front sealing strip ensure that large-particle dust can be effectively sucked, the vacuum degree of the suction port can be maintained, and the dust removal efficiency is high.

IPC 8 full level  
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