

Title (en)  
FLOOR CLEANING ROBOT

Title (de)  
BODENREINIGUNGSROBOTER

Title (fr)  
ROBOT DE NETTOYAGE DES SOLS

Publication  
**EP 3512397 A1 20190724 (FR)**

Application  
**EP 17784343 A 20170912**

Priority  
• FR 1658528 A 20160913  
• FR 2017052426 W 20170912

Abstract (en)  
[origin: CN107811580A] The invention relates to a floor cleaning robot comprising: a cyclonic dust separation unit (20) comprising at least one spiral- or helix-shaped pipe around a spiral axis, for creating a spiral movement of a suction air flow, an electric fan (30) arranged for creating the suction air flow, at least one drive wheel (10) arranged for pivoting around a wheel axis, for causing a movement of the floorcleaning robot, characterized in that the spiral axis is parallel to the wheel axis, in that the electric fan (30) has a rotating motor axis, and in that the rotating motor axis is parallel to the spiral axis and separate from the spiral axis.

IPC 8 full level  
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