

Title (en)
ROBOT FOR CLEANING FLAT SURFACES

Title (de)
ROBOTER ZUR REINIGUNG VON GLATTEN FLÄCHEN

Title (fr)
ROBOT POUR NETTOYER DER SURFACES LISSES

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Application
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Abstract (en)
[origin: WO2011113509A1] An autonomous robot for cleaning smooth surfaces (3), comprising a base body (1), wherein the base body (1) has a movement device (2) by means of which the base body (1) can be automatically moved on a smooth surface (3) which is to be cleaned, and wherein the base body (1) has a water feed line (6) for passing water onto the smooth surface (3) and a water discharge line (8) for drawing dirty water away from the smooth surface (3), is, in respect of the problem of designing and developing a robot of the kind described in the introductory part in such a way that it can be used to carry out an energy-saving and environmentally friendly cleaning method with a good cleaning performance, characterized in that the water feed line (6) applies the water to the smooth surface (3) by means of a capillary effect. A method for cleaning smooth surfaces (3), in which method an autonomous robot is moved on a smooth surface (3) which is to be cleaned, wherein water is applied by the robot to the smooth surface (3) which is to be cleaned and removed from said surface, is characterized in that the water is applied to the smooth surface (3) by means of a capillary effect.

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