

Title (en)
SELF-CLOSING VALVE

Title (de)
SELBSTSCHLIESSENDES VENTIL

Title (fr)
VALVE À FERMETURE AUTOMATIQUE

Publication
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Application
EP 14908520 A 20141218

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Abstract (en)
[origin: WO2016099341A1] The invention relates to a self closing valve (1-3, 5-6) for an opening in a container for refuse. The valve comprises a rocker (1-3) with two blades (1-2) that may be pivoted around a rocker carrier (5). The rocker is balanced such that it, when unloaded, tends towards a position where the first blade (1) seals the opening. The rocker is used to seal a ash container and is opened when a cigarette butt is put in the opening of the ash container. The second blade is provided with an angle stop (3) that limits the maximum angular movement of the rocker from its unloaded position, and the angle stop (3) comprises at least one point that stops the angular movement of the rocker at maximum extent. Sticky substances tend to build up on the rocker, which without the pointy angle stop could cause the rocker to get stuck in an open state due to adhesion. With the pointy angles stop (3), the adhesive action becomes small, such that the rocker easily returns to a closed state. In an advantageous embodiment, the angle stop (3) during use extends upwards, and then tends to slow down the motion of built up layers of particles, such that the rocker remains balanced. It then returns to a closed state even after such a build up of particles on the two blades of the rocker.

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Citation (search report)

- [X] FR 72767 E 19600722
- [XI] DE 3210835 A1 19831006 - SIEGLE BERND
- [E] SE 1400010 A1 20150711 - QLEANAIR SCANDINAVIA AB [SE]
- See references of WO 2016099341A1

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