

Title (en)
CYCLONE-TYPE VACUUM CLEANER

Title (de)
ZYKLONSTAUBSAUGER

Title (fr)
ASPIRATEUR CYCLONIQUE AVEC REDRESSEUR DE FLUX

Publication
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Application
EP 12816779 A 20121221

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Abstract (en)
[origin: WO2013093377A1] The invention relates to a vacuum cleaner comprising a waste separation assembly which comprises at least one cyclone separation stage comprising at least one cyclone separator which comprises a separation chamber (21) with at least one lateral tangential air inlet and a central outlet tube (23) of longitudinal axis Delta' extending inside the separation chamber (21), characterized in that at least one separator comprises, in the region of the end of the central outlet tube (23) that is situated inside the chamber, airflow straightening means (30) which comprise: - a core (31) substantially coaxial with the central outlet tube of longitudinal axis Delta, - at least one main vane which extends from the core (31) toward the peripheral wall (33) of the central outlet tube (23) and which comprises, on the one hand, a leading edge (34) which converges from the peripheral wall (33) of the tube towards the core (31) and the inside of the separation chamber (21) and, on the other hand, a trailing edge situated on the inside of the central outlet tube (23).

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