

Title (en)
Turbine brush unit and vacuum cleaner having the same

Title (de)
Turbinenbürsteneinheit und damit ausgerüsteter Staubsauger

Title (fr)
Unité de brosse de turbine et aspirateur l'utilisant

Publication
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Application
EP 10163958 A 20100526

Priority
KR 20090063783 A 20090714

Abstract (en)
[origin: EP2277425A1] A turbine brush unit (100a) and a vacuum cleaner having the same are provided. The turbine brush unit (100a) may include a turbine brush case (101), a brush member (102) mounted in the turbine brush case (101), and a turbine fan unit (120, 130) having a plurality of wings (122, 132) and rotating the brush member (102). Each of the plurality of the wings (122, 132) may have a curvature point (C1, C2), a primary collision surface (120a', 130a') with which a primary inlet wind (A1) drawn through the inlet portion (103a) of the turbine fan unit (120, 130) collides and a secondary collision surface (120b', 130b') with which a secondary inlet wind (A2) collides. The primary and secondary inlet winds (A1, A2) apply a force in the rotation direction (D) of the turbine fan unit (120, 130).

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