

Title (en)  
DUST CLEANER

Title (de)  
STAUBREINIGUNGSVORRICHTUNG

Title (fr)  
CAPTEUR DE POUSSIÈRE

Publication  
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Application  
**EP 96900755 A 19960111**

Priority  
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Abstract (en)  
[origin: WO9621500A1] The present invention comprises a cyclone adapted for flue-gas cleaning and designed such that particles, flowing towards the wall of the cyclone, from a gas flow inside the cyclone with angles of incidence to the wall greater than zero are avoided. This is achieved by making the necessary area reduction of the cyclone, at the lower part thereof, even and continuous. The transition (1d) in the cyclone from a first cylindrical shell surface (1a, 1b) with a larger cross section to a cylindrical cyclone leg (1c) at the lower-most part of the cyclone is made evenly tapering without any discontinuities in the decrease of the circular cross section area, which is achieved in that the shell surface of the cyclone at the transition (1d) exhibits a double-curved surface or consists of a number of consecutively arranged conical shells with a decreasing cross section area.

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IPC 8 full level  
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