

Title (en)
PARTICLE COLLECTOR

Title (de)
PARTIKELSAMMLER

Title (fr)
COLLECTEUR DE PARTICULES

Publication
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Application
EP 18795350 A 20181019

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EP 2018078797 W 20181019

Abstract (en)
[origin: WO2020078573A1] The present disclosure relates to particle collector for collecting particles from polluted gas, comprising: a drive unit for bringing into motion the gas, comprising a drive chamber, a voltage source for generating a positive voltage, conductive drive elements, wherein the voltage source is connected to the conductive drive elements for applying the positive voltage; a collecting unit for collecting particles from the moving polluted gas, comprising a collecting chamber for receiving the moving polluted gas, the collecting chamber comprising one or more collecting surfaces for collecting thereon particles from the received moving gas; wherein the drive chamber comprises a drive chamber wall defining a drive chamber flow space for the polluted gas, wherein the conductive drive elements are configured to ionize particles and induce the ionized particles to flow in a helical motion towards the collecting unit.

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