

Title (en)  
DEVICE FOR TREATING SOOT PARTICLE-CONTAINING EXHAUST GASES

Title (de)  
VORRICHTUNG ZUR BEHANDLUNG VON RUßPARTIKEL ENTHALTENDEM ABGAS

Title (fr)  
DISPOSITIF POUR TRAITER DES GAZ D'ÉCHAPPEMENT CONTENANT DES PARTICULES DE SUIE

Publication  
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Application  
**EP 11769804 A 20110913**

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Abstract (en)  
[origin: WO2012035035A1] The invention relates to a device (1) for treating soot-particle (2) containing exhaust gases, comprising at least one ionization element (3) for ionizing soot particles (2), at least one filter element (4), an electric potential being applicable to at least one section of the filter element (4), and at least one flow guiding device (8). Said flow guiding device may influence a flow of the exhaust gases in such a way that the soot particles (2) can be prevented from being deposited on at least one electric insulation (9.1, 9.2) of the ionization element (3) or of the filter element (4) or can be removed therefrom. The invention effectively prevents soot particles (2) from being deposited on an electric insulation (9.1, 9.2) of exhaust gas cleaning components, thereby preventing short-circuits from being produced. In this way, the exhaust gas systems can be safely operated.

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