

25 MAR 2002



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DIESEL ENGINE EXHAUST PARTICLE COLLECTION DEVICE
ABSTRACT OF THE DISCLOSURE

A diesel engine exhaust particle collection device for collecting, under electrical control, particles 10,10,.. in an exhaust from diesel engine is disclosed. The device has a needle electrode 8 having a needle tip 8a for charging up the particles 10,10,... by creating a corona discharge around the needle tip 8a, a collecting electrode 11 for collecting the charged particles 10a,10a,... by electrostatic force and a high voltage power source 13 for applying prescribed high voltage between the needle electrode 8 and the collecting electrode 11, the high voltage power source 13 electrically being connected with the needle electrode 8 and the collecting electrode 11.



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(Figure 1)