

DIESEL ENGINE EXHAUST PARTICLE COLLECTION DEVICE

ABSTRACT OF THE DISCLOSURE

5 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
10 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
15 high voltage power source 13 electrically being connected
with the needle electrode 8 and the collecting electrode
11. Fig.1



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