

**DIESEL FUEL FILTERS CONTAINING SMOKE SUPPRESSANT,
AND A METHOD OF SLOW RELEASING SAID SUPPRESSANT**

ABSTRACT

The invention teaches a diesel fuel filter containing a smoke suppressant, and
5 a method of suppressing smoke in exhaust from a diesel engine. The smoke
suppressant is adsorbed onto a strip (3) of polyester sponge or mesh. Six to
eight strips (3) are inserted in the gaps between the folds of a pleat of filter
paper (2), equi-distantly around a round container or canister (1), which
houses the filter paper (2). The smoke suppressant is slowly released to a
10 stream of diesel fuel flowing through the filter into the diesel engine for
subsequent combustion. The additive-coated strips (3) are designed to last the
working life of a diesel fuel filter. There are several embodiments of the
invention, depending on the sizes or requirements of diesel engines.

(Figure 1a)