

Title (en)  
Diesel fuel purifier

Title (de)  
Dieselkraftstoffreinigungsg r t

Title (fr)  
Purificateur de carburant Diesel

Publication  
**EP 1413741 A2 20040428 (EN)**

Application  
**EP 03256610 A 20031021**

Priority  
AU 2002301547 A 20021021

Abstract (en)  
The present invention relates to diesel purifier that produces a fuel of high purity that meets the full ignition requirements at the combustion chamber of the engine. The purifier is shown in Fig 1 of the attached drawings. The above purification process depends on causing of some differences in the density of contaminants which contributes towards settling of heavy impurities and the light contaminants are separated by wire filter assembly. A purification chamber (1) encapsulated by an external body (2) has a barrier with conical and cylindrical portions surrounded by a wire filter (7). Fuel flows from an inlet (5) through a pipe (6) to the conical portion, and to an outlet (8) through a final filter (22) secured to the outlet. The upper portion of the diesel fuel purifier has a relief valve (9). The lower portion of the diesel fuel purifier has a heating element (10) and a water cock (11) connected to sound and light indicator (12) at cabin dash board, and the bottom has a drain valve (13). An independent claim is also included for a process of purifying diesel fuel using purifier.

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