

## Title (en)

Process and device for admixing additives into a fluid stream

## Title (de)

Verfahren und Vorrichtung zum Beimischen von Zusatz-stoffen in eine Fluid-strömung

## Title (fr)

Procédé et dispositif de mélange des additifs dans un écoulement de fluide

## Publication

**EP 0814254 A1 19971229 (DE)**

## Application

**EP 97109752 A 19970616**

## Priority

DE 19624352 A 19960619

## Abstract (en)

An additive is mixed into a fluid, especially a fuel, which is pumped from the supply tank to a fuel injection pump. The pump atomises the fuel, as it passes through fine nozzles into the combustion chambers. Admixture is carried out at the suction side of the fuel pump (2). Also claimed is an apparatus for the above process, comprising a fuel tank (1), a fuel pump (2) and an injection pump (4) which charges fuel into the combustion chambers (8) of the engine. A fuel line (6) connects these units. A recycle line (64) returns excess fuel to the supply tank. On the suction side of the fuel pump (4), a supply channel introduces the additive, preferably at a point of fuel line constriction.

## Abstract (de)

Dem Fluid, das durch eine Förderpumpe aus einem Vorratsbehälter einer Einspritzpumpe zugeführt wird, welche das Fluid durch feine Düsen in eine Brennkammer zerstäubt, wird im Ansaugbereich der Förderpumpe ein Zusatzstoff beigemischt. Zur Durchführung dieses Verfahrens mündet im Ansaugbereich der Kraftstofförderpumpe in die Kraftstoffleitung ein Anschlußkanal, durch den der Zusatzstoff in die Kraftstoffleitung eingeleitet wird.  
<IMAGE>

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## Citation (search report)

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