

ABSTRACT

APPARATUS AND METHOD FOR PRODUCING AN EMULSION OF A FUEL AND AN EMULSIFIABLE COMPONENT

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An apparatus and a method for producing an emulsion of a fuel and an emulsifiable component are disclosed. The apparatus comprises a first cavitation chamber for receiving a first fluid, the first fluid being a first one of the fuel and the emulsifiable component, and wherein the apparatus is arranged to produce a swirling flow of the first fluid in the first
10 cavitation chamber. The apparatus comprises a second cavitation chamber for receiving a second fluid, the second fluid being a second one of the fuel and the emulsifiable component, where the apparatus is arranged to produce a swirling flow of the second fluid in the second cavitation chamber. The first cavitation chamber further comprises an outlet and the first cavitation chamber, the outlet and the second cavitation chamber are arranged coaxially.
15 The second cavitation chamber is arranged to receive the first fluid from the first cavitation chamber through the outlet.

FIGURE 1

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