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(71) Applicant (for all designated States except US):
NEFTECH PTE LTD [SG/SG]; 17 Jurong Port Road,
Via Jalan Terusan, Singapore 619092 (SG).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **BORTKEVICH, Sergey** [RU/RU]; Leninsky Prospekt, 73/8 Apartment 38, 119269 Moscow (RU). **BOLDYREV, Alexey** [RU/RU]; Nikulinskaya St, Blk 11, Apartment 61, 119602 Moscow (RU). **LEVIN, Victor** [SG/SG]; 93 Robertson Quay, #27-03, Singapore 238255 (SG).

(74) Agent: **YEW Woon Chooi**; Rodyk & Davidson LLP, 80 Raffles Place #33-00 UOB Plaza 1, Singapore 048624 (SG).

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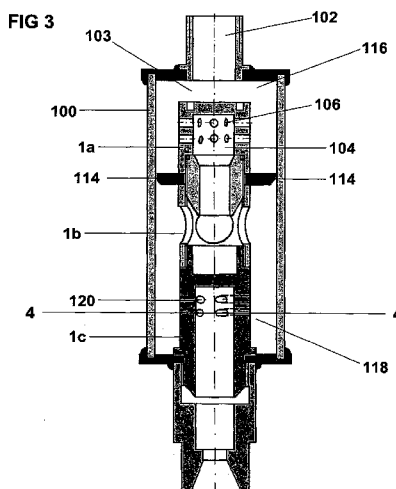
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(54) Title: A METHOD AND APPARATUS FOR CAVITATING A MIXTURE OF A FUEL AND AN ADDITIVE



(57) Abstract: An apparatus and a method for cavitating a mixture of a fuel and an additive are disclosed. The apparatus comprises a cavitation stream, the cavitation stream comprising a counter jet device, a jet stroke device and a swirling cavitation device. A mixture of a fuel and additive is arranged to pass through the cavitation stream, wherein the mixture undergoes wave and cavitation processing in the swirling cavitation device. The cavitation apparatus further comprises a resonance chamber and a homogenizer, into which the wave and cavitated mixture is passed to obtain an emulsion of improved homogeneity from an outlet of the homogenizer.



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