

Title (en)

METHOD AND DEVICE FOR THE PRODUCTION OF MICRODROPLETS OF LIQUID

Publication

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Application

EP 80106544 A 19801024

Priority

- SE 7908863 A 19791025
- SE 7908864 A 19791025
- SE 7908865 A 19791025

Abstract (en)

[origin: WO8101186A1] A liquid is injected in the centre of a spraying chamber (12) so as to form a projection cone (17) which is exposed to a jet of external gas in helicoidal motion. In order to further reduce the size of the droplets (19), these droplets are introduced in a transport and reaction chamber (20) of a small length and are transported by a helicoidal flow of gas (21). The transport and reaction chamber (20) is preferably defined by a pot-shaped container, in which the droplets enter through the front wall opposite the open end. This method and the device for its implementation are particularly well adapted for the practically sootless combustion of combustible liquids, such as oil.

IPC 1-7

F23D 11/10; **F23C 3/00**; **F23C 7/02**; **B05B 7/10**

IPC 8 full level

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CPC (source: EP US)

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Cited by

CN111346869A; EP0565814A3; US6068608A; US6045531A; US6132397A; US6241699B1; WO9216794A1

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