

Title (en)

DEVICE FOR BURNING FLUOROHYDROCARBONS

Publication

EP 0212410 A3 19880817 (DE)

Application

EP 86110737 A 19860804

Priority

DE 3529309 A 19850816

Abstract (en)

[origin: ES2001220A6] A tubular reactor for thermally cracking fluorohydrocarbons has a burner system (1) with feed lines (3, 4, 6, 7) for a mixture of fluorohydrocarbon and fuel gas and for flushing gas and oxygen or air provided at one end of the tubular reactor. This burner system delimits the end face of a combustion chamber (2) which, near the burner system, is provided with an ignition branch (9) and devices (10, 11, 12, 13, and 14) for feeding and distributing a liquid. The combustion chamber is adjoined by an absorber of cylindrical blocks (21) with bores (22) parallel to the reactor axis for a liquid product stream and a gas discharged from the combustion chamber. The bores lead into a downstream annular chamber (28) which is provided with a branch (29) for discharging gas and liquid. The other end of the reactor has a pressure relief orifice (33) which is connected via a duct (32) to the combustion chamber (2).

IPC 1-7

F23G 7/06; **F23M 5/08**; **F23J 15/00**; **F23G 7/00**; **C01B 7/00**; **C01B 7/01**; **C01B 7/19**

IPC 8 full level

C01B 7/00 (2006.01); **C01B 7/01** (2006.01); **C01B 7/19** (2006.01); **F23G 7/00** (2006.01); **F23G 7/06** (2006.01); **F23J 15/00** (2006.01); **F23M 5/08** (2006.01)

CPC (source: EP US)

F23G 7/00 (2013.01 - EP US); **F23G 7/065** (2013.01 - EP US); **F23M 5/08** (2013.01 - EP US); **F23G 2209/142** (2013.01 - EP US)

Citation (search report)

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- [A] GB 1350727 A 19740424 - SHELL INT RESEARCH
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EP 86110737 A 19860804; BR 8603900 A 19860815; CA 516017 A 19860815; DE 3529309 A 19850816; DE 3674109 T 19860804; ES 8601080 A 19860813; US 89666286 A 19860814