

Title (en)  
DEVICE FOR BURNING FLUOROHYDROCARBONS

Publication  
**EP 0212410 B1 19900912 (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  
**C01B 7/00; C01B 7/01; C01B 7/19; F23G 7/00; F23G 7/06; F23J 15/00; F23M 5/08**

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)

Cited by  
DE19540347A1; US5705140A; EP0802370A3; EP0735320A3; DE19511645A1; DE19511644A1; US5457267A; WO9703749A3

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