

Title (en)

PROCESS FOR PRODUCING COMBUSTION GASES FREE OF OR CONTAINING LITTLE SOOT

Publication

EP 0017891 B1 19821208 (DE)

Application

EP 80101854 A 19800408

Priority

DE 2914700 A 19790411

Abstract (en)

[origin: EP0017891A2] 1. A process for the preparation of combustion gases which are completely or substantially free from soot and are at from 200 degrees to 1600 degrees C, by igniting a mixture of oxygen and methanol and combusting from 85 to 99 per cent by weight of the total amount of methanol in the resulting flame, wherein methanol, in the liquid form, is mixed with oxygen at a flow velocity of from 1 to 100 meters per second in a proportion of from 50 to 150 per cent by weight of oxygen, based on methanol, the mixture is ignited, and combusted, in a perforated combustion chamber and steam entering, through the perforations of the combustion chamber, in a proportion of from 10 to 3000 per cent by weight of water, based on methanol, is admixed.

IPC 1-7

F23L 7/00; **C10L 1/02**; **C10L 3/00**; **C01B 3/22**

IPC 8 full level

C01B 3/22 (2006.01); **C10L 1/02** (2006.01); **C10L 3/00** (2006.01); **F23L 7/00** (2006.01)

CPC (source: EP)

C10L 3/00 (2013.01); **F23L 7/005** (2013.01)

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Designated contracting state (EPC)

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EP 0017891 A2 19801029; **EP 0017891 A3 19801210**; **EP 0017891 B1 19821208**; DE 2914700 A1 19801030; DE 3061252 D1 19830113; GR 66813 B 19810430

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EP 80101854 A 19800408; DE 2914700 A 19790411; DE 3061252 T 19800408; GR 800161342 A 19800304