

Title (en)

Burner for a gas turbine combustor

Title (de)

Brenner für eine Gasturbinenbrennkammer

Title (fr)

Brûleur pour une chambre de combustion de turbine à gaz

Publication

EP 1484553 B1 20110928 (DE)

Application

EP 04090216 A 20040602

Priority

DE 10326720 A 20030606

Abstract (en)

[origin: EP1484553A2] The burner has a core-air annular channel (11) concentrically round the atomizer jet (10) of the support burner and also round the main-air annular channel (4) which creates the weak mixture. A flame stabilizing ring (13) is provided in the adjacent end regions of the main-air and core-air channels. with cross-section surface widening conically towards the combustion chamber to create a recirculation zone (17).

IPC 8 full level

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CPC (source: EP US)

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Cited by

US10451282B2; US10288293B2; US10190774B2; WO2010008633A3

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EP 1484553 A2 20041208; **EP 1484553 A3 20061129**; **EP 1484553 B1 20110928**; DE 10326720 A1 20041223; US 2005028526 A1 20050210; US 7621131 B2 20091124

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