

Title (en)
GAS TURBINE COMBUSTOR

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Application
EP 87117059 A 19871119

Priority
CH 489286 A 19861209

Abstract (en)
[origin: US4805411A] In the combustion space of a combustion chamber of a gas turbine operated with liquid fuel, at least one after-burner (4) is employed in each case in combination with one or more primary burners (2, 2a). The after-burner (4) and at least its fuel spray cone (15), which acts directly into the central combustion chamber (6), are screened by an unswirled enveloping airstream (14) against the hot gases (13) from the combustion in the primary burners (2, 2a). The after-burner (4) itself is not automatically operating, i.e. the ignition of its mixture (14/15) takes place further downstream, preferably at the beginning of the mixing chamber (7), as a result of which a turbulence-free flow with uniform pressure and temperature profile is provided for acting on the turbine (9).

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IPC 8 full level
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CPC (source: EP US)
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