

Title (en)
COMBUSTOR FLOW CONTROLLER

Title (de)
BRENNKAMMERDURCHFLUSSMENGENREGLER

Title (fr)
REGULATEUR DE DEBIT DE CHAMBRE A COMBUSTION

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Abstract (en)
[origin: WO9932827A1] A flow controller (5) for supplying air to a combustor and a combustor incorporating the same are disclosed. The flow controller comprising a conduit (6, 7, 8) and a control port (9), the conduit including a main section (8) dividing into at least two secondary sections (6, 7) at a junction and the control port being positioned in the conduit adjacent to the junction. In one embodiment, the control port is connected to a reservoir (10) wherein, in use, a change in the flow rate of a main airflow flowing through the main section of conduit causes a control airflow to flow either into or out of the control port whereby the main airflow is selectively diverted into one or other of the secondary sections of conduit. The main airflow may coanda around a surface of the main section. The control port may also be connected to the conduit further upstream of the junction so as to form a control loop (16). The main section of conduit may comprise a convergent-divergent duct.

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