

Title (en)

CATALYTICALLY PILOTED COMBUSTION SYSTEM AND METHODS OF OPERATION

Title (de)

KATALYTISCH GESTEUERTES VERBRENNUNGSSYSTEM UND BETRIEBSVERFAHREN

Title (fr)

SYSTEME DE COMBUSTION PILOTE PAR VOIE CATALYTIQUE ET PROCEDES DE FONCTIONNEMENT

Publication

**EP 1485593 A1 20041215 (EN)**

Application

**EP 03716124 A 20030221**

Priority

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Abstract (en)

[origin: WO03072919A1] A combustor for a combustion system is described. The combustor includes an inlet region for receiving a compressor discharge air, and a pilot assembly (110) and main swirler-injector assembly (116) therein. The pilot assembly may include a pilot inlet region (112) for receiving at least a portion of the air, a catalyst (113) located downstream of the pilot region, a pilot fuel injector (111) for delivering pilot fuel upstream of the catalyst, and a pilot outlet region located downstream of the catalyst. The main swirler-injector assembly may include a main swirler-injector assembly inlet region and a main swirler-injector assembly fuel injector located downstream of the main swirler-injector assembly inlet region.

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