

Title (en)

System for directing airflow into a combustor

Title (de)

System zum Führen eines Luftstroms in eine Brennkammer

Title (fr)

Système permettant de diriger un écoulement d'air dans une chambre de combustion

Publication

EP 2573466 A2 20130327 (EN)

Application

EP 12184185 A 20120913

Priority

US 201113240286 A 20110922

Abstract (en)

A system includes a gas turbine combustor (12). The gas turbine combustor includes a combustion liner (52) disposed about a combustion region and a sleeve (54) disposed about the combustion liner. The combustion liner (52) and the sleeve (54) define an airflow passage (49) circumferentially about the liner. The gas turbine combustor also includes multiple axial injectors (76) configured to direct an airflow (94) into the airflow passage (49) in an axial direction facilitating a momentum exchange between an injection flow and a crossflow from an upstream portion of the combustor. The multiple axial injectors (76) are asymmetrically configured to provide an uniform injection of the airflow circumferentially about an axis (57) of the gas turbine combustor.

IPC 8 full level

F23R 3/04 (2006.01)

CPC (source: EP US)

F23R 3/005 (2013.01 - EP US); **F23R 3/04** (2013.01 - EP US); **F23R 2900/03043** (2013.01 - EP US)

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