

Title (en)
Tangential combustor

Title (de)
Tangentialbrennkammer

Title (fr)
Chambre de combustion tangentielle

Publication
EP 2383518 A2 20111102 (EN)

Application
EP 11163440 A 20110421

Priority
US 76838510 A 20100427

Abstract (en)
A combustion section for a gas turbine includes a casing (32) defining a chamber, a plurality of combustor cans (34) disposed in the casing and oriented in an annular pattern, and a plurality of transition pieces (36) each coupled with one of the combustor cans. The transition pieces direct products of combustion from the combustor cans into contact with rotating buckets of the gas turbine. Each of the transition pieces is angled in two planes to effect turning of the products of combustion and to shorten the gas turbine.

IPC 8 full level
F23R 3/42 (2006.01); **F23R 3/58** (2006.01)

CPC (source: EP US)
F23R 3/425 (2013.01 - EP US); **F23R 3/58** (2013.01 - EP US)

Cited by
EP2636847A3; EP2738355A1; EP2660519A1; US9133722B2; WO2017023330A1; US9551492B2

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 2383518 A2 20111102; EP 2383518 A3 20141119; CN 102252345 A 20111123; JP 2011232022 A 20111117; US 2011259015 A1 20111027

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EP 11163440 A 20110421; CN 201110116512 A 20110427; JP 2011089656 A 20110414; US 76838510 A 20100427