

Title (en)

HUMID AIR TURBINE CYCLE WITH CARBON DIOXIDE RECOVERY

Title (de)

FEUCHTER LUFTTURBINENKREISLAUF MIT KOHLENSTOFFDIOXID-WIEDERGEWINNUNG

Title (fr)

CYCLE DE TURBINE A AIR HUMIDE A RECUPERATION DE GAZ CARBONIQUE CARBONE

Publication

EP 1604102 A4 20110907 (EN)

Application

EP 03716695 A 20030318

Priority

US 0308340 W 20030318

Abstract (en)

[origin: WO2004083615A1] Carbon dioxide (152) is removed following compressor (130) which compresses a mixture of compressed air (132) and recirculated exhaust gas (118') from a gas turbine (120). The carbon dioxide depleted gas (136) is humidified (180, 114) and fed to the combustor (110).

IPC 8 full level

F02C 3/20 (2006.01); **F02C 1/08** (2006.01); **F02C 3/30** (2006.01); **F02C 3/34** (2006.01)

CPC (source: EP)

F02C 1/08 (2013.01); **F02C 3/20** (2013.01); **F02C 3/30** (2013.01); **F02C 3/34** (2013.01)

Citation (search report)

- [Y] EP 0887530 A2 19981230 - HITACHI LTD [JP]
- [Y] US 6269624 B1 20010807 - FRUTSCHI HANS ULRICH [CH], et al
- [A] WO 0231331 A1 20020418 - TEXACO DEVELOPMENT CORP [US]
- See references of WO 2004083615A1

Cited by

EP1566529A4

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)

WO 2004083615 A1 20040930; AU 2003220393 A1 20041011; AU 2003220393 B2 20100401; CA 2519145 A1 20040930; CA 2519145 C 20091103; CN 100430583 C 20081105; CN 1759233 A 20060412; EA 008112 B1 20070427; EA 200501472 A1 20060224; EP 1604102 A1 20051214; EP 1604102 A4 20110907; JP 2006514209 A 20060427; JP 4377818 B2 20091202; MX PA05009856 A 20051206

DOCDB simple family (application)

US 0308340 W 20030318; AU 2003220393 A 20030318; CA 2519145 A 20030318; CN 03826176 A 20030318; EA 200501472 A 20030318; EP 03716695 A 20030318; JP 2004569658 A 20030318; MX PA05009856 A 20030318