

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

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EP1566529A4

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**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

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