

Title (en)  
COGENERATION METHOD AND DEVICE USING A GAS TURBINE COMPRISING A POST-COMBUSTION CHAMBER

Title (de)  
VERFAHREN UND APPARAT ZUR GLEICHZEITIGEN ERZEUGUNG ELEKTRISCHER UND THERMISCHER ENERGIE MIT GASTURBINE MIT EINER NACHBRENNKAMMER

Title (fr)  
PROCEDE ET DISPOSITIF DE COGENERATION PAR TURBINE A GAZ AVEC CHAMBRE DE POSTCOMBUSTION

Publication  
**EP 1608858 A2 20051228 (FR)**

Application  
**EP 04719501 A 20040311**

Priority  
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• FR 0303141 A 20030313

Abstract (en)  
[origin: FR2852358A1] The process involves compressing an oxidant with a fuel in a compression section (14). The compressed oxidant is combusted under pressure in a combustion chamber (20). A part of hot gas obtained by the combustion is exchanged with an external installation (34). The gas is reheated in an expansion section (52) to obtain hot gas under conditions of temperature and pressure close to those achieved in the absence of gas exchange. An independent claim is also included for a heat and work cogeneration device for use by a gas turbine.

IPC 1-7  
**F02C 3/00**; **F02C 6/00**

IPC 8 full level  
**F02C 6/00** (2006.01); **F02C 6/18** (2006.01)

CPC (source: EP US)  
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Citation (search report)  
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