

Title (en)
System for power generation

Title (de)
System zur Erzeugung von Energie

Title (fr)
Système de production d'énergie

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Application
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Abstract (en)
The invention relates to a system for power generation comprising a turbine system and a power generating system connected to said turbine system, wherein the said turbine system comprises: a) a compressor means (22) provided with an inlet for oxygen-containing gas, an outlet for compressed oxygen-containing gas and inlet means (38) for supplying fluid to said compressor means for cooling the said oxygen-containing gas; b) a combustion means (11) provided with a non-gaseous fuel inlet and a flue gas outlet, said combustion means being connected with the said outlet for compressed oxygen-containing gas of the said compressor means; c) a gas turbine means (9) connected with said flue gas outlet of the said combustion means and being provided with an outlet for exhaust gases; d) a recuperator means (17) connected with 1 the said outlet for compressed oxygen-containing gas of the said compressor means and 2 the said outlet for exhaust gases of the said gas turbine means, for mutual heat exchange. <IMAGE>

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F01K 21/04

IPC 8 full level
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CPC (source: EP)
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Citation (search report)
• [X] EP 0444913 A1 19910904 - TURBINE DEV AG [LI]
• [X] EP 0361065 A1 19900404 - WESTINGHOUSE ELECTRIC CORP [US]
• [A] US 4893469 A 19900116 - YAMASHITA YASUI [US]
• [A] GB 1284335 A 19720809 - ROLLS ROYCE
• [A] GB 1056722 A 19670125 - ARTHUR MORTON SQUIRES
• [A] EP 0602795 A2 19940622 - FOSTER WHEELER ENERGY CORP [US]
• [A] EP 0384336 A1 19900829 - GAIA MARIO
• [A] US 5067317 A 19911126 - KASPER STANLEY [US]
• [A] DE 4335136 A1 19940428 - EVT ENERGIE & VERFAHRENSTECH [DE]

Cited by
EP1609958A1; NL1009484C2; NL1011383C2; US6453659B1; EP0959235A2; US6247302B1; US6397578B2

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