

Title (en)

Steam and gas turbine power plant using moistened natural gas.

Title (de)

GuD-Kraftanlage mit befeuchtetem Erdgas.

Title (fr)

Centrale avec turbines à gaz et à vapeur utilisant du gaz naturel humidifié.

Publication

EP 0588392 A1 19940323 (EN)

Application

EP 93201893 A 19930629

Priority

NL 9201256 A 19920713

Abstract (en)

The invention relates to a steam and gas turbine installation for generating electricity and/or heat from natural gas, comprising: i) a combustion unit for combusting a mixture of moistened natural gas and air, and provided with a flue gas duct which ends in a chimney, to which flue gas duct are connected for heat exchanging: ii) a heating unit (6) for heating high pressure steam respectively medium pressure steam; iii) an evaporator unit (7) for forming high pressure steam; iv) an economizer unit; v) a degassing unit (9) for degassing condensate; vi) turbines for generating electricity with steam; and vii) a moistening unit (10) for moistening natural gas for supplying to the combustion unit, wherein an independent steam unit for high pressure and/or low pressure steam is preferably present. <IMAGE>

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F01K 21/04; **F01K 23/10**

IPC 8 full level

F01K 21/04 (2006.01); **F01K 23/10** (2006.01)

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F01K 21/047 (2013.01); **F01K 23/106** (2013.01)

Citation (search report)

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