

Title (en)
POWER PLANT COMPRISING A TURBINE UNIT AND A GENERATOR

Title (de)
KRAFTWERK MIT EINER TURBINENEINHEIT UND EINEM GENERATOR

Title (fr)
CENTRALE AVEC UNE UNITÉ DE TURBINE ET UN GÉNÉRATEUR

Publication
EP 2361346 A1 20110831 (DE)

Application
EP 09756477 A 20091118

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Abstract (en)
[origin: EP2196633A1] The station (2) has a turbine unit (4) comprising a generator (24) that is connected with a turbine (10) e.g. steam turbine, for power transmission, and a cooling device (30) for cooling the generator. The cooling device delivers waste heat from the generator to a device of the station. The turbine unit has a fuel preheater (20) that is thermally connected with the cooling device. The fuel preheater has a heat exchanger that is thermally connected with a cooling circuit (26) of the cooling device. A fuel feed (18) is guided to the turbine for heating the fuel by the generator.

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