

Title (en)
INTEGRATION CONSTRUCTION BETWEEN A STEAM BOILER AND A STEAM TURBINE AND METHOD IN PREHEATING OF THE SUPPLY WATER FOR A STEAM TURBINE

Title (de)
INTEGRATIONSBAU VON DAMPFKESSEL UND DAMPFTURBINE UND METHODE ZUR SPEISEWASSERVORWÄRMUNG FÜR DIE DAMPFTURBINE

Title (fr)
CONSTRUCTION INTEGREE D'UNE CHAUDIERE A VAPEUR ET D'UNE TURBINE A VAPEUR ET PROCEDE DE PRECHAUFFAGE DE L'EAU D'ALIMENTATION DE LA TURBINE A VAPEUR

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Application
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Abstract (en)
[origin: WO9511370A1] The invention concerns an integration construction between a steam boiler and a steam turbine and a method for preheating of the supply water. In the integration construction the steam is passed from the steam boiler (10) along the duct (24a) into the steam turbine (11) so as to rotate the electric generator (12) which generates electricity. The economizer (23) consists of at least two parts, comprising at least one first economizer part (23') and at least one second economizer part (23''). The supply water is passed from the cold economizer part (23') to a supply-water preheater, which consists of a heat exchanger (24) in which thermal energy is transferred from bled steams of the steam turbine, either directly or through a medium, preferably water, into the supply water. After this, the supply water, which had been preheated by means of bled steams from the steam turbine, is passed in the steam boiler (10) into the hot economizer part (23'') and further to the vaporizer (240) and into the superheater (24) and through the superheater into the steam turbine.

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