

Title (en)  
STEAM TURBINE CYCLE

Title (de)  
DAMPFTURBINENZYKLUS

Title (fr)  
CYCLE DE TURBINE A VAPEUR

Publication  
**EP 1965043 A4 20140702 (EN)**

Application  
**EP 06843008 A 20061221**

Priority  

- JP 2006325524 W 20061221
- JP 2006012124 A 20060120

Abstract (en)  
[origin: EP1965043A1] A steam turbine cycle of the present invention comprises a high pressure turbine 1, a reheating turbine 24, a boiler 4, feed heaters 6 for heating a feed water to the boiler 4 by a bleed steam from the turbines 1 and 24, a feed pump 12, and a condenser 10, the steam turbine cycle being a single-stage reheating cycle where a working fluid is water and using a Rankine cycle which is a regenerative cycle. A steam temperature at an outlet of the boiler is 590°C or more. A temperature increase ratio between: a feed-water temperature increase in a first feed heater 7 corresponding to a bleed steam (high-pressure turbine exhaust bleed steam) 22 from an exhaust steam of the high pressure turbine 1; and an average of feed-water temperature increases in second feed heaters 8 where a pressure of the feed water is lower than that of the first feed heater 7; falls within 1.9 - 3.5.

IPC 8 full level  
**F01K 7/40** (2006.01); **F01K 7/22** (2006.01); **F01K 7/38** (2006.01); **F01K 17/00** (2006.01)

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**F01K 7/22** (2013.01 - EP US); **F01K 7/34** (2013.01 - KR); **F01K 7/38** (2013.01 - EP KR US); **F01K 7/40** (2013.01 - EP KR US);  
**F01K 17/00** (2013.01 - EP US)

Citation (search report)  

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- [A] WO 8000864 A1 19800501 - RICE I
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DE FR

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JP 2007192152 A 20070802; JP 4621597 B2 20110126; KR 20080038233 A 20080502; US 2009094983 A1 20090416;  
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