Title (en)

STEAM TURBINE PLANT WITH REGULATED BLEEDING

Publication

EP 0355545 B1 19920722 (FR)

Application

EP 89114527 A 19890807

Priority

FR 8810921 A 19880816

Abstract (en)

[origin: JPH0281906A] PURPOSE: To shorten length of a turbine rotor by dividing and arranging extraction function and extraction pressure adjustment function. CONSTITUTION: An extraction pipe 10 is arranged in the middle point of a steam turbine 1 having 7 stages. On the other hand, a servo controlled valve 11 is arranged in an exhaust pipe 9. And, a servo control circuit 12 includes a means that compares a standard signal generated by a set point generator 13 with output signals generated by a pressure sensor 14 positioned in the extraction pipe 10. So, the extraction is controlled in a predetermined range of extraction rate by controlling the servo control valve 11 with the servo control circuit 12. As the extraction function and the extraction pressure adjust function are physically divided, length of the turbine rotor is shortened.

IPC 1-7

F01D 17/08; F01K 7/16; F01K 7/34

IPC 8 full level

F01K 7/38 (2006.01); **F01D 17/08** (2006.01); **F01D 17/10** (2006.01); **F01K 7/34** (2006.01)

CPC (source: EP US)

F01D 17/08 (2013.01 - EP US); **F01D 17/105** (2013.01 - EP US); **F01K 7/345** (2013.01 - EP US)

Cited by

EP2434103A1; CN104204420A; JP2015514897A; EP2713017A3; RU2644801C2; AU2013231164B2; US9945289B2; WO2013143877A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

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