

Title (en)
SINGLE-CASING STEAM TURBINE WITH REHEATING

Title (de)
EINGEHÄUSIGE DAMPFTURBINE MIT ZWISCHENÜBERHITZUNG

Title (fr)
TURBINE À VAPEUR À UNE CARCASSE AVEC SURCHAUFFE INTERMÉDIAIRE

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Application
EP 11741154 A 20110718

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Abstract (en)
[origin: WO2012016809A1] The present invention relates to a turbine system (100), in particular a steam turbine system. The turbine system (100) has a turbine shaft (105), a first turbine region (101) and a second turbine region (102) which is arranged downstream of the first turbine region (101) in the axial direction (106) of the turbine shaft (105). Furthermore, the turbine system (100) has a casing (110) with an outer wall (113), a first dividing wall (111) and a second dividing wall (112). The first dividing wall (111) is at such a distance from the second dividing wall (112) in the axial direction (106) that a space (104) is formed which is defined at least by part of the outer wall (113), the first dividing wall (111) and the second dividing wall (112). A first working medium (A1) flows at a first working pressure (P1) from the first turbine region (101) into the space (104) and a second working medium (A2) flows at a second working pressure (P2) from the second turbine region (102) into the space (104), such that a fluid mixture (Fm) of the first working medium (A1) and the second working medium (A2) can be produced in the space (104).

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