

Title (en)
STEAM TURBINE PLANT

Title (de)
DAMPFTURBINENANLAGE

Title (fr)
CENTRALE À TURBINE À VAPEUR

Publication
EP 3324008 A1 20180523 (EN)

Application
EP 16836946 A 20160727

Priority
• JP 2015162041 A 20150819
• JP 2016072029 W 20160727

Abstract (en)
To provide a steam turbine plant that includes a high and intermediate-pressure turbine (21) in which a high-pressure turbine unit (25) is provided at one end in an axial direction (C) and an intermediate-pressure turbine unit (26) is provided at the other end, low-pressure turbines (22, 23) that are arranged coaxially with the high and intermediate-pressure turbine (21), a high-pressure moisture separating-heater (27) that is arranged on a side opposite to the low-pressure turbines (22, 23) in the axial direction (C) of the high and intermediate-pressure turbine (21) so as to remove moisture from steam from the high-pressure turbine unit (25) and feed steam to the intermediate-pressure turbine unit (26), and a low-pressure moisture separating-heater (28) that removes moisture from steam from the intermediate-pressure turbine unit (26) and feeds steam to the low-pressure turbines (22, 23). By having such a configuration, simplification of the structure and decrease of the facility cost are achieved.

IPC 8 full level
F01K 7/22 (2006.01); **F01K 13/00** (2006.01)

CPC (source: EP)
F01K 3/181 (2013.01); **F01K 7/223** (2013.01); **F22B 37/26** (2013.01); **F22B 37/266** (2013.01)

Cited by
US11339686B2

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 3324008 A1 20180523; **EP 3324008 A4 20180801**; CN 107923263 A 20180417; CN 107923263 B 20191108; JP 2017040198 A 20170223; JP 6081543 B1 20170215; WO 2017029955 A1 20170223

DOCDB simple family (application)
EP 16836946 A 20160727; CN 201680048463 A 20160727; JP 2015162041 A 20150819; JP 2016072029 W 20160727