

Title (en)

FEED WATER AND DRAINAGE SYSTEM FOR MEDIUM PRESSURE HEATER IN POWER PLANT

Title (de)

SPEISEWASSER UND ABFLUSSSYSTEM FÜR EINEN MITTELDRUCKHEIZER EINES KRAFTWERKS

Title (fr)

SYSTÈME D'EAU D'ALIMENTATION ET DE DRAINAGE POUR UNE UNITÉ DE CHAUFFAGE À PRESSION MOYENNE DANS UNE CENTRALE ÉLECTRIQUE

Publication

EP 2520855 A4 20160127 (EN)

Application

EP 10840402 A 20100720

Priority

- CN 200910266839 A 20091230
- CN 2010075272 W 20100720

Abstract (en)

[origin: EP2520855A1] A feedwater and draining system for medium-pressure heaters used in a power plant comprises a feedwater piping (100) and a boiler feedwater pump unit (200) provided on the feedwater piping (100). The boiler feedwater pump unit (200) includes a low-pressure boiler feedwater pump (203) and a high-pressure boiler feedwater pump (204) provided along the upstream and the downstream of the feedwater piping (100). A medium-pressure feedwater heater unit (300) comprising one or more feedwater heaters is provided between the low-pressure boiler feedwater pump (203) and the high-pressure boiler feedwater pump (204). A generator set and a power plant equipment comprising the feedwater and draining system for the medium-pressure heater are provided. The feedwater and draining system for the medium-pressure heater is low in cost, high in efficiency of thermodynamic system and more environment-friendly.

IPC 8 full level

F22D 11/00 (2006.01)

CPC (source: EP)

F22D 1/003 (2013.01); **F22D 1/28** (2013.01); **F22D 11/02** (2013.01)

Citation (search report)

- [X1] US 6422017 B1 20020723 - BASSILY ASHRAF MAURICE [US]
- [X1] EP 1553264 A2 20050713 - SIEMENS WESTINGHOUSE POWER [US]
- [X1] EP 0997613 A1 20000503 - YYL CORP [JP]
- See references of WO 2011079613A1

Cited by

CN105423398A; CN106402839A

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 SE SI SK SM TR

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EP 2520855 A1 20121107; **EP 2520855 A4 20160127**; CN 102116469 A 20110706; CN 102116469 B 20130612; WO 2011079613 A1 20110707

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