

Title (en)
FEEDWATER AFTERHEATER

Title (de)
SPEISEWASSERNACHERWÄRMER

Title (fr)
DISPOSITIF DE CHAUFFAGE SECONDAIRE D'EAU D'ALIMENTATION

Publication
EP 3179059 A1 20170614 (EN)

Application
EP 16397534 A 20161201

Priority
FI 20155929 A 20151209

Abstract (en)
A power plant (900) comprising an arrangement of a steam turbine (410, 420) and a generator (415, 425); a boiler (100) having a drum (250) and feed water piping (210, 220, 310, 312, 320, 322, 330, 332) for feeding water and/or steam into the drum (250). The feed water piping comprises at least a last economizer (210) and an afterheater (310) configured to heat water and/or steam running in the feed water piping (210, 220, 310, 312, 320, 322, 330, 332) by using heating steam. The afterheater (310) is arranged, in the direction of flow of the feed water in the feed water piping (210, 220, 310, 312, 320, 322, 330, 332), upstream from the drum (250) and downstream from the last economizer (210). Moreover, a pipeline (610, 610a, 610b, 610c) is configured to convey heating steam to the afterheater (310) from at least one of (i) a location of the superheater piping (260, 270), the location being arranged, in the direction of flow of steam in the superheater piping, downstream from at least a phase of the steam turbine (410), (ii) the steam turbine (410), and (iii) a steam net configured to receive steam from another boiler.

IPC 8 full level
F01K 23/06 (2006.01); **F01K 7/34** (2006.01)

CPC (source: EP FI)
F01K 3/18 (2013.01 - FI); **F01K 7/34** (2013.01 - EP FI); **F01K 23/06** (2013.01 - EP FI); **F22D 1/003** (2013.01 - FI); **F22D 1/32** (2013.01 - FI)

Citation (search report)

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- [I] US 2009241860 A1 20091001 - MONACELLI JOHN E [US], et al
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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)
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