

Title (en)

INJECTION APERTURE FOR A STEAM POWER PLANT

Title (de)

EINSPRITZBLENDE FÜR EIN DAMPFKRAFTWERK

Title (fr)

ORIFICE D'INJECTION POUR UNE CENTRALE THERMIQUE À VAPEUR

Publication

EP 2655834 B1 20151028 (DE)

Application

EP 12704399 A 20120209

Priority

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Abstract (en)

[origin: EP2500549A1] The aperture (1) has two injection pipes (9, 10) for injecting water into an injection aperture flow channel, where the flow channel is formed by an inner-sided injection aperture-flow surface (5) that is designed as a Laval nozzle. Steam and water flow through the respective pipes. The flow channel is tapered in a flow direction (2) of steam, where one of the pipes is arranged at an angle opposite to the flow surface. Regulating and control valves (13, 14) are arranged in the respective pipes, where the aperture is designed rotationally-symmetric to a rotational symmetry axis. An independent claim is also included for a method for cooling steam.

IPC 8 full level

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