

Title (en)

System and method for feeding water for steam turbine plant

Title (de)

Anordnung und Methode für die Wasserspeisung einer Dampfturbinenanlage

Title (fr)

Système et procédé pour alimenter en eau une installation à turbines à vapeur

Publication

**EP 1429074 B1 20070228 (EN)**

Application

**EP 03028207 A 20031209**

Priority

JP 2002358221 A 20021210

Abstract (en)

[origin: EP1429074A1] A feed water system for feeding water from a condenser to a steam generator in a steam turbine plant. The feed water system has a feed water/condensate water pump (2) for pumping up water from a condenser; a control valve (4) disposed downstream of the feed water/condensate water pump; a heating line (8) disposed downstream of the control valve, the heating line including a heat exchanger (12) for heating water; a bypass line for bypassing the heating line downstream of the control valve; and inlet and outlet bypass (6, 14) valves for water selectively flowing through either the heating line or the bypass line. The inlet and/or outlet bypass valves are activated by pistons (28, 30) which are driven by water pressure. A valve-activation line (48) for providing water pressure to the pistons is branched from a point between the feed water/condensate water pump and the control valve. <IMAGE>

IPC 8 full level

**F01K 7/38** (2006.01); **F22D 1/32** (2006.01); **F22D 11/00** (2006.01)

CPC (source: EP)

**F22D 1/325** (2013.01)

Cited by

CN114370631A; CN104832897A; EP2224164A1; AU2009315819B2; US9593844B2; WO2010054934A3

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

**EP 1429074 A1 20040616**; **EP 1429074 B1 20070228**; AU 2003262492 A1 20040624; AU 2003262492 B2 20050113; DE 60312114 D1 20070412; DE 60312114 T2 20071031; JP 2004190927 A 20040708

DOCDB simple family (application)

**EP 03028207 A 20031209**; AU 2003262492 A 20031125; DE 60312114 T 20031209; JP 2002358221 A 20021210