

Title (en)

Device for feeding pressurised water to the water source of a steam injector

Title (de)

Druckwasserzufuhranlage für die Wasserquelle eines Dampfinjektors

Title (fr)

Dispositif d'alimentation en eau sous pression de la source d'eau d'un injecteur à vapeur

Publication

EP 0798469 B1 20030521 (FR)

Application

EP 97400639 A 19970321

Priority

FR 9603680 A 19960325

Abstract (en)

[origin: EP0798469A1] The emergency feed injector (B) for a steam generator (G) is fed by steam from the generator itself, and by pressurised water from an ejector (C). Initially, the ejector is fed by a water circuit (D) that consists of a reservoir (63) pressurised by the steam and an exit pipe (64) with a non-return valve (65). Eventually, the ejector is fed by low pressure water from a reservoir (73) and by high pressure water from a bleed circuit (R) branching off downstream (42) of the injector (B). This arrangement allows water from the low pressure reservoir to be driven into the injector for pressurising to a pressure higher than that of the steam.

IPC 1-7

F04F 5/54; **F22D 11/00**; **G21C 15/18**

IPC 8 full level

F04F 5/54 (2006.01); **F22D 11/00** (2006.01)

CPC (source: EP US)

F04F 5/54 (2013.01 - EP US); **F22D 11/003** (2013.01 - EP US); **Y10T 137/87643** (2015.04 - EP US)

Cited by

CN108766599A; FR2827997A1; KR100938768B1; US6912263B2; WO03010776A1

Designated contracting state (EPC)

BE DE IT

DOCDB simple family (publication)

EP 0798469 A1 19971001; **EP 0798469 B1 20030521**; DE 69722067 D1 20030626; DE 69722067 T2 20040325; FR 2746484 A1 19970926; FR 2746484 B1 19980424; US 5896435 A 19990420

DOCDB simple family (application)

EP 97400639 A 19970321; DE 69722067 T 19970321; FR 9603680 A 19960325; US 82222097 A 19970321