

Title (en)

Method of detecting no-load operation in a steam generator

Title (de)

Verfahren zur Erfassung des Vakuumbetriebs eines Dampferzeugers

Title (fr)

Procédé de détection du fonctionnement à vide d'un générateur de vapeur

Publication

EP 1906086 B1 20160106 (FR)

Application

EP 07112373 A 20070712

Priority

FR 0606437 A 20060712

Abstract (en)

[origin: FR2903761A1] The process of detection of vacuum functioning of a vapor generator (12), comprises detecting a phase of absence of water in the generator during the blow of temperature regulation unit of the generator. The generator comprises a unit to heat and vaporize the water, a unit for circulating the water and a temperature regulation unit, and is connected to an external source of water supply. The ratio of the duration of blow during the mode of vacuum functioning over the duration of blow during the mode of supplying water is 5/1-15/1. The duration of vacuum functioning is 20 seconds. The process of detection of vacuum functioning of a vapor generator (12), comprises detecting a phase of absence of water in the generator during the blow of temperature regulation unit of the generator. The generator comprises a unit to heat and vaporize the water, a unit for circulating the water and a temperature regulation unit, and is connected to an external source of water supply. The ratio of the duration of blow during the mode of vacuum functioning over the duration of blow during the mode of supplying water is 5/1-15/1. The duration of vacuum functioning is 20 seconds, and the duration of the phase detection in the vapor generator is 2 minutes. Number of engaging of temperature regulation unit is counted during the phase detection of water in the generator. An alert system is used for functioning the phase detection of water. An average power supplied to the vapor generator during the vacuum functioning is lower than 50 watts. Independent claims are included for: (1) a dry machine; and (2) a cooking furnace.

IPC 8 full level

F22B 1/28 (2006.01); **F22B 35/00** (2006.01)

CPC (source: EP)

F22B 1/285 (2013.01); **F22B 35/00** (2013.01)

Cited by

CN104508196A; FR3004131A1

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DOCDB simple family (publication)

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