

Title (en)

Apparatus and method for measuring total dissolved solids in a steam boiler

Title (de)

Vorrichtung und Methode zur Messung der gesamten gelösten Feststoffe

Title (fr)

Appareil et méthode pour mesurer le total des solides dissous dans un générateur de vapeur

Publication

EP 1584866 A3 20051130 (EN)

Application

EP 05252163 A 20050407

Priority

- GB 0408102 A 20040408
- GB 0415052 A 20040705

Abstract (en)

[origin: EP1584866A2] A method and apparatus for controlling the operation of a pressurised steam boiler heated by a burner (20). The method includes the steps of monitoring the level of total dissolved solids in water contained in the boiler (50), monitoring the level of water in the boiler (50), monitoring the pressure of steam in the boiler (50), monitoring the firing rate of the burner (20); controlling the blow down of the boiler (50) having regard to the level of total dissolved solids in water contained in the boiler (50), and controlling the flow rate of water into the boiler (50) and the firing rate of the burner (20). All input signals relating to the monitoring steps are passed to a common control unit (1) and all output signals relating to the controlling steps are transmitted from the common control unit (1). <IMAGE>

IPC 1-7

F22B 37/56

IPC 8 full level

F22B 37/56 (2006.01); **F22D 5/00** (2006.01); **F24H 9/20** (2006.01); **F22D 5/30** (2006.01)

CPC (source: EP)

F22B 37/565 (2013.01)

Citation (search report)

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- [A] GB 1368067 A 19740925 - NALFLOC LTD
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- [A] PATENT ABSTRACTS OF JAPAN vol. 2002, no. 12 12 December 2002 (2002-12-12)

Cited by

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