

Title (en)
CALIBRATION OF A BOILER

Title (de)
EICHUNG EINES HEIZKESSELS

Title (fr)
ÉTALONNAGE D'UNE CHAUDIÈRE

Publication
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Application
EP 19749329 A 20190801

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Abstract (en)
[origin: GB2576044A] There is disclosed a method of calibrating a boiler having a burner, comprising: supplying fuel to the burner at a fuel supply rate and supplying combustion air to the burner at an air supply rate, so that fuel is burnt at an air-to-fuel ratio; and supplying water to the burner at a water supply rate; adjusting burner operating variables, including adjusting both the air-to-fuel ratio and the water supply rate, to define a plurality of burner states; testing operation of the boiler at the plurality of burner states. For each burner state; an efficiency parameter relating to an efficiency of the boiler is determined; emissions in a flue gas downstream from the burner are monitored; the emissions are compared to one or more emissions thresholds to determine if they are excessive or acceptable. An operational burner state for operation of the burner is selected from a set of burner states correlated to acceptable emissions.

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