

Title (en)

COMBUSTION EQUIPMENT FOR JUDGING ABNORMALITY OR LIFE

Title (de)

VERBRENNUNGSANLAGE ZUR ÜBERWACHUNG VON FEHLERN ODER LEBENSDAUER

Title (fr)

DISPOSITIF DE COMBUSTION A DETECTION DES ANOMALIES DE FONCTIONNEMENT OU DE LA DURABILITE

Publication

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Application

EP 95930007 A 19950830

Priority

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- JP 23073294 A 19940831
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- JP 28440394 A 19941024

Abstract (en)

Disclosed is a combustion appliance, which comprises: a burner; a combustion fan for supplying air to, and exhausting air from the burner; an air-flow rate sensor for detecting an air-flow rate along an air flow route from an air supply path to an air exhaust path for the burner; and a controller for storing a reference air-flow rate for determining whether an abnormality or expiration of a lifetime has occurred when the combustion fan is rotated at a predetermined revolution rate, for determining there is no wind condition when a change in the air-flow rate, which is detected by the air-flow rate sensor when there are no revolutions or a specified number of revolutions by the combustion fan, is within a predetermined permissible range, and for determining an abnormality or an expiration of a lifetime has occurred when no wind condition is detected and when the air-flow rate, which is detected by the air-flow rate sensor for determining the predetermined revolution rate for the combustion fan, is lower than the reference air-flow rate. With this arrangement, it can be appropriately determined whether the relationship between the air-flow rate and the revolution rate for the combustion fan is preferable in a condition that is not affected by external wind condition, and an occurrence of an abnormality or the expiration of a lifetime can be precisely ascertained. <IMAGE>

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