

Title (en)
SOFTWARE SENSOR FOR NOX EXITING FURNACE STACKS USING OXYGEN-ENRICHED AIR OR PURE OXYGEN AS A COMBUSTION AGENT

Title (de)
SOFTWARE-SENSOR FÜR NOX AUSSTOSENDE SCHORNSTEINE UNTER VERWENDUNG VON MIT SAUERSTOFF ANGEREICHETER LUFT ODER VON REINEM SAUERSTOFF ALS VERBRENNUNGSMITTEL

Title (fr)
CAPTEUR LOGICIEL NO_x EN SORTIE DES CHEMINEES DES FOURS UTILISANT L'AIR ENRICHI EN OXYGENE OU DE L'OXYGENE PUR COMME COMBURANT

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Abstract (en)
[origin: WO03034819A2] The invention relates to a method of measuring the NO_x content in the fumes produced by means of combustion in a furnace (46). The inventive method is characterised in that it comprises the following steps, consisting in: (a) during the combustion, measuring at least one pressure datum in the furnace, at least one temperature datum in the furnace and/or in the fumes resulting from the combustion, and at least one datum that is representative of the nitrogen concentration in the fumes; and (b) introducing said data, or data processed or obtained from said data, as input data for a neural network which provides at least one output datum that is representative of the NO_x concentration or content in the fumes resulting from the combustion.

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