

Title (en)
TEMPERATURE SENSING SOOTBLOWER

Title (de)
TEMPERATURMESSENDER RUSSBLÄSER

Title (fr)
SOUFFLEUR DE SUIE À DÉTECTION DE TEMPÉRATURE

Publication
EP 2665981 B1 20160120 (EN)

Application
EP 11707236 A 20110121

Priority
US 2011021962 W 20110121

Abstract (en)
[origin: WO2012099594A1] A temperature sensing sootblower that may be configured as a modification to an existing sootblower or a specially constructed sootblower that, in addition to its normal soot blowing functions, has the capability to measure the flue gas, lance tube, and/or cleaning fluid temperatures. One or more thermocouples or other temperature measuring devices are carried by the sootblower lance tube that is inserted into the boiler. This allows for the temperature of the flue gas, lance tube, and cleaning fluid to be measured as the sootblower lance tube is inserted into and retracted from the boiler. Multiple temperature measuring devices may be located on the sootblower lance to measure the temperature across heat transfer surfaces and at different locations along the lance tube. A data transfer device transmits the temperature measurements from the rotating thermocouple to a non-rotating data acquisition unit for use in boiler cleaning and other operations.

IPC 8 full level
F28G 3/16 (2006.01); **F28G 15/04** (2006.01)

CPC (source: EP GB US)
F22B 37/486 (2013.01 - US); **F22B 37/56** (2013.01 - US); **F28G 1/166** (2013.01 - EP GB US); **F28G 3/166** (2013.01 - EP GB US); **F28G 15/003** (2013.01 - EP GB US); **F28G 15/04** (2013.01 - EP GB US)

Citation (examination)
WO 2009139714 A1 20091119 - SOOTTECH AKTIEBOLAG [SE], et al

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DOCDB simple family (publication)
WO 2012099594 A1 20120726; BR 112013018700 A2 20161025; BR 112013018700 B1 20201208; CA 2825661 A1 20120726; CA 2825661 C 20170613; EP 2665981 A1 20131127; EP 2665981 B1 20160120; GB 201314710 D0 20131002; GB 2501446 A 20131023; JP 2014510250 A 20140424; US 2013312673 A1 20131128

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