

Title (en)
IN SITU FLUE GAS ANALYZER WITH IMPROVED PROCESS COMMUNICATION

Title (de)
IN-SITU-RAUCHGASANALYSATOR MIT VERBESSERTER PROZESSKOMMUNIKATION

Title (fr)
ANALYSEUR DE GAZ DE CARNEAU IN SITU AYANT UNE COMMUNICATION DE PROCESSUS AMÉLIORÉE

Publication
EP 2984477 A4 20161123 (EN)

Application
EP 14774477 A 20140328

Priority
• US 201361806621 P 20130329
• US 201414227476 A 20140327
• US 2014032181 W 20140328

Abstract (en)
[origin: US2014295356A1] An in situ flue gas analyzer includes a probe extendable into a flue. The probe has a measurement cell providing a signal responsive to a concentration of a gas within the flue. A controller is coupled to the probe and configured to provide an output based on the signal from the measurement cell. A first media access unit is coupled to the controller and is operably coupleable to a first process communication link. The first media access unit is configured to communicate in accordance with an all-digital process communication protocol. A second media access unit is coupled to the controller and is operably coupleable to a second process communication link. The second media access unit is configured to communicate in accordance with a second process communication protocol that is different than the all-digital process communication protocol. The first and second media access units are enabled simultaneously.

IPC 8 full level
F23N 1/00 (2006.01); **F23N 3/00** (2006.01); **F23N 5/00** (2006.01); **G01N 27/407** (2006.01); **G08C 19/00** (2006.01); **H04L 29/06** (2006.01)

CPC (source: EP US)
F23N 5/006 (2013.01 - EP US)

Citation (search report)
• [XY] WO 2012057786 A1 20120503 - UTC FIRE & SECURITY CORP [US], et al
• [Y] US 2003023795 A1 20030130 - PACKWOOD STEVE [US], et al
• [A] US 5682476 A 19971028 - TAPPERSON GARY [US], et al
• See references of WO 2014160944A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
US 2014295356 A1 20141002; AU 2014240954 A1 20151008; AU 2014240954 B2 20160908; CA 2905211 A1 20141002;
CN 105074445 A 20151118; CN 105074445 B 20180720; EP 2984477 A1 20160217; EP 2984477 A4 20161123; EP 2984477 B1 20190522;
ES 2738318 T3 20200121; WO 2014160944 A1 20141002

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