

Title (en)
BURNER UNIT

Title (de)
BRENNEREINHEIT

Title (fr)
UNITÉ DE BRÛLEUR

Publication
EP 3434976 A1 20190130 (EN)

Application
EP 18185976 A 20180727

Priority
• IB 2017054619 W 20170728
• IB 2018055569 W 20180725

Abstract (en)
A new and improved gas fired burner unit that can be utilized in applications where low emissions and high efficiency are desired including a burner body having a lower housing unit with a bottom portion, a distribution element located above the bottom portion, a burner deck located above the distribution element, and a metal fiber mesh element located above the burner deck. The burner deck supports the metal fiber mesh and spaces the metal fiber mesh from the internal distribution element to define a burner head. At least one inlet conduit communicates with the burner body and extends into the burner body to deliver a gas/air mixture to the burner body in a region located below the distribution element and above the bottom portion of the lower housing unit. The bottom portion of the lower housing unit includes a plurality of ribs providing added rigidity to the burner body and eliminating combustion noise.

IPC 8 full level
F23D 14/10 (2006.01)

CPC (source: EP US)
F23D 14/105 (2013.01 - EP); **F23D 14/145** (2013.01 - EP US); **F23D 14/149** (2021.05 - EP US)

Citation (search report)
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• [Y] WO 2015000869 A1 20150108 - BEKAERT COMB TECHNOLOGY BV [NL]
• [A] US 4725334 A 19880216 - BRIMM DANIEL J [US]
• [A] WO 02099173 A1 20021212 - BEKAERT SA NV [BE], et al

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US2021317985A1

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

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
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