

Title (en)

ELECTRICALLY STABILIZED DOWN-FIRED FLAME REACTOR

Title (de)

ELEKTRISCH STABILISierter GEDROSSElTER FLAMMENREAKTOR

Title (fr)

RÉACTEUR À FLAMME VERS LE BAS STABILISÉ ÉLECTRIQUEMENT

Publication

EP 2861341 A4 20160224 (EN)

Application

EP 13803448 A 20130617

Priority

- US 201261660684 P 20120615
- US 2013046202 W 20130617

Abstract (en)

[origin: US2013336352A1] A down-fired flame burner includes a flame charger and one or more field electrodes configured to control flame shape and/or heat transfer to a chemical reactor.

IPC 8 full level

B01J 19/08 (2006.01); **B01J 19/26** (2006.01); **F23C 5/00** (2006.01); **F23C 99/00** (2006.01); **F23D 14/84** (2006.01)

CPC (source: EP US)

F23C 99/001 (2013.01 - EP US); **F23D 14/84** (2013.01 - EP US)

Citation (search report)

- [Y] US 2011194998 A1 20110811 - KIM YOUNG DAE [KR], et al
- [Y] US 2011203771 A1 20110825 - GOODSON DAVID [US], et al
- [A] EP 0844434 A2 19980527 - ARAI TERUO [JP], et al
- [A] US 2011027734 A1 20110203 - HARTWICK THOMAS S [US], et al
- [A] US 3306338 A 19670228 - WRIGHT FRANKLIN J, et al
- See references of WO 2013188889A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

US 2013336352 A1 20131219; EP 2861341 A1 20150422; EP 2861341 A4 20160224; WO 2013188889 A1 20131219

DOCDB simple family (application)

US 201313920025 A 20130617; EP 13803448 A 20130617; US 2013046202 W 20130617