

Title (en)

SPRAY LANCE, COMBUSTION PLANT AND METHOD FOR TREATING WASTE GAS

Title (de)

DÜSENLANZE, VERBRENNUNGSANLAGE UND VERFAHREN ZUR ABGASBEHANDLUNG

Title (fr)

LANCE DE PULVÉRISATION, INSTALLATION DE COMBUSTION ET PROCÉDÉ DE TRAITEMENT D'EFFLUENTS GAZEUX

Publication

**EP 3829750 A1 20210609 (DE)**

Application

**EP 19745025 A 20190722**

Priority

- DE 102018006131 A 20180803
- EP 2019069665 W 20190722

Abstract (en)

[origin: WO2020025381A1] Disclosed are a spray lance for treating waste gas, a combustion plant comprising spray lances for treating waste gas and a method for treating waste gas in a combustion plant, according to which an additive fluid is intermixed with the working fluid in the spray lance and atomized by three spray nozzles.

IPC 8 full level

**B01D 53/34** (2006.01); **B01D 53/50** (2006.01); **B01D 53/56** (2006.01); **B01D 53/60** (2006.01); **B01D 53/79** (2006.01); **B01J 4/00** (2006.01);  
**B01J 19/26** (2006.01); **B05B 7/04** (2006.01); **B05B 7/08** (2006.01); **F23J 15/02** (2006.01)

CPC (source: EP US)

**B01D 53/346** (2013.01 - EP); **B01D 53/504** (2013.01 - EP US); **B01D 53/56** (2013.01 - EP); **B01D 53/58** (2013.01 - US);  
**B01D 53/60** (2013.01 - EP); **B01D 53/79** (2013.01 - EP); **B01J 4/002** (2013.01 - EP); **B01J 4/02** (2013.01 - EP); **B01J 19/0013** (2013.01 - EP US);  
**B05B 7/0408** (2013.01 - EP); **B05B 7/045** (2013.01 - EP); **B05B 7/0475** (2013.01 - EP US); **B05B 7/0892** (2013.01 - EP);  
**B05B 7/2486** (2013.01 - EP); **B05B 12/12** (2013.01 - EP US); **B05B 15/62** (2018.02 - EP); **F01N 3/206** (2013.01 - US);  
**F23J 15/003** (2013.01 - EP US); **B01D 53/60** (2013.01 - US); **B01D 2251/102** (2013.01 - EP); **B01D 2251/2062** (2013.01 - EP);  
**B01D 2251/2067** (2013.01 - EP); **B01D 2251/404** (2013.01 - EP); **B01D 2251/602** (2013.01 - EP); **B01D 2251/604** (2013.01 - EP);  
**B01D 2251/606** (2013.01 - EP); **B01D 2258/0283** (2013.01 - EP); **B01D 2258/0291** (2013.01 - EP); **F01N 3/2066** (2013.01 - US);  
**F01N 2610/02** (2013.01 - US)

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)

**WO 2020025381 A1 20200206**; CN 112543672 A 20210323; CN 112543672 B 20240308; DE 102019005052 A1 20200206;  
EP 3829750 A1 20210609; US 2021308701 A1 20211007

DOCDB simple family (application)

**EP 2019069665 W 20190722**; CN 201980051383 A 20190722; DE 102019005052 A 20190722; EP 19745025 A 20190722;  
US 201917262064 A 20190722