

Title (en)

INJECTION LANCE FOR INJECTING A LIQUID REDUCING REAGENT INTO A FLUE GAS FROM THE COMBUSTION OF FUEL IN A BOILER OR FURNACE TO REDUCE THE AMOUNT OF NITROGEN OXIDES IN THE FLUE GAS

Title (de)

EINSPRITZLANZE ZUM EINSPRITZEN EINES FLÜSSIGEN REDUZIERUNGS-REAGENS IN RAUCHGAS AUS DER VERBRENNUNG VON BRENNSTOFF IN EINEM HEIZKESSEL ODER OFEN ZUR REDUZIERUNG DER STICKOXIDE IM RAUCHGAS

Title (fr)

LANCE D'INJECTION PERMETTANT D'INJECTER UN RÉACTIF RÉDUCTEUR LIQUIDE DANS UN GAZ DE COMBUSTION PROVENANT DE LA COMBUSTION DE COMBUSTIBLE DANS UNE CHAUDIÈRE OU UN FOUR AFIN DE RÉDUIRE LA QUANTITÉ D'OXYDES D'AZOTE DANS LES GAZ DE COMBUSTION

Publication

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Application

EP 17768712 A 20170905

Priority

- EP 16187213 A 20160905
- EP 2017072226 W 20170905

Abstract (en)

[origin: EP3290793A1] The present application relates to an injection lance for injecting a liquid reducing reagent into a flue gas from the combustion of fuel in a combustion chamber of a boiler or furnace to reduce the amount of nitrogen oxides in the flue gas, wherein the injection lance comprises at least two oblong separate injectors having a different length and each having a single spraying nozzle at the end thereof for spraying the liquid reducing agent, first cooling means to cool the injectors with air, an surrounding pipe coaxial with and disposed around the injectors and provided with at least one opening per injector spaced along its length and located in the vicinity of the respective spraying nozzles to allow the spraying nozzles to spray the liquid reducing agent through the openings into the flue gas and second cooling means to cool the surrounding pipe with air.

IPC 8 full level

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CPC (source: EP)

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See references of WO 2018042055A1

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