



(12) **CORRECTED EUROPEAN PATENT APPLICATION**

(15) Correction information:
Corrected version no 1 (W1 A1)
Corrections, see
Bibliography INID code(s) 54

(51) Int Cl.:
B01D 53/86 (2006.01) **F23G 1/00** (2006.01)
F23J 15/02 (2006.01)

(48) Corrigendum issued on:
14.12.2011 Bulletin 2011/50

(43) Date of publication:
12.10.2011 Bulletin 2011/41

(21) Application number: **11161277.6**

(22) Date of filing: **06.04.2011**

(84) Designated Contracting States:
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 States:
BA ME

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(30) Priority: **07.04.2010 JP 2010088536**

(54) **System used in cinerator for reducing NOx**

(57) The invention provides a system to be used in a cinerator for reducing nitrogen oxide, including a cylindrical catalyst-reaction tower (1) having both an inlet (1A) through which exhaust gas exhausted out of the cinerator is introduced therein, and an outlet (1B), the catalyst-reaction tower (1) being divided inside thereof into a mixture-dispersion area (1C), and a catalyst layer area (1D), a nozzle unit (2) through which aqueous ammonia is at-

omized into the catalyst-reaction tower (1), first and second area-contractors (21, 22) arranged in the mixture-dispersion area (1C), each of the area-contractors (21, 22) having at least one opening (21a, 22a), the opening (21a) of the first area-contractor (21) being located in no coincidence with the opening (22a) of the second area-contractor (22), and a catalyst (23) included in the catalyst layer area (1D).

FIG. 1

