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(54) Title: PROCESS FOR THE PURIFICATION OF COMBUSTION FUMES

(57) Abstract: A process for the removal of heavy metals from flue gas deriving from combustion processes comprising the following steps : a) optional removal by filtration of solid particles or of particulate of heavy metals or their compounds, having an average diameter higher than 10 micron; b) flue gas washing performed with an aqueous phase and transfer of the heavy metals or their compounds to the aqueous phase; c) flue gas cooling and partial condensation of the steam contained in the flue gas and separation of a condensed phase; d) discharge of the flue gases substantially free from heavy metals or their compounds into the environment; f) discharge of the aqueous phase substantially free from heavy metals or their compounds into the environment.



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