

Title (en)

PROCESS FOR REMOVING CHLORIDE IONS FROM CONTAMINATED SOLID WASTES, SUCH AS INCINERATION ASHES CONTAMINATED BY ACTINIDES

Publication

EP 0296984 B1 19920909 (FR)

Application

EP 88401613 A 19880624

Priority

FR 8709050 A 19870626

Abstract (en)

[origin: JPS6427683A] PURPOSE: To surely transfer and remove chloride ion in the form of chlorine gas from a solution as a gas stream by dissolving chloride ion contained in a contaminated solid waste in an aq. solution and oxidizing chloride ion dissolved in the aq. solution. CONSTITUTION: Chloride ion contained in the contaminated solid waste is brought into contact with the proper aq. solution to be dissolved. As the aq. solution, for example, a nitric acid aq. solution having 5-6 mol/l nitric acid concentration is preferably used. Chloride ion dissolved in the aq. solution is electrochemically oxidized directly by passing current through the solution or indirectly by an oxidizing agent reproduced by electrolysis. Chlorine is transferred and removed by passing an inert gas such as air as a carrier during the oxidation reaction. After that, a conventional method, for example, by passing the gas stream through a soda-lime trap, can be carried out to separate chlorine from the fluid. As a result, chloride ion in the solid waste is surely removed.

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IPC 8 full level

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