

Title (en)

WASTE TREATMENT CHEMICAL AND WASTE DISPOSAL METHOD

Title (de)

CHEMISCHE ZUSAMMENSETZUNG ZUR ABFALLBEHANDLUNG UND ABFALLENTSORGUNGSVERFAHREN

Title (fr)

PRODUIT CHEMIQUE DE TRAITEMENT DE DECHETS ET PROCEDE DE MISE AU REBUT DESDITS DECHETS

Publication

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Application

EP 95932921 A 19950928

Priority

- JP 9501966 W 19950928
- JP 23495994 A 19940929
- JP 26867494 A 19941101
- JP 27132494 A 19941104
- JP 14282895 A 19950609
- JP 14575395 A 19950613
- JP 14591295 A 19950613
- JP 14932195 A 19950616

Abstract (en)

A waste-treating material wherein an effect for preventing elution of harmful metals by the action of a water glass aqueous solution is improved by adding additives of additive A (acids, alcohols, polyvalent metal salts, polyhydric alcohol esters, carbonates, intramolecular esters, dibasic acid esters or dialdehydes), additive B (phosphates, carbonates, sulfates, carboxylates or hydroxides of potassium, sodium or ammonium, phosphonates of potassium or sodium, or organic chelating agents having carboxyl group (-COOX, wherein X represents hydrogen, potassium or sodium) or dithiocarbamic acid group (>NCSSY, wherein Y represents hydrogen, potassium or sodium)), additive C (coagulating sedimentators), additive D (monovalent metal salts or ammonium salts, which do not produce compounds which are insoluble or sparingly soluble in water by reacting with calcium ions), and the like. In particular, the waste-treating material can prevent re-elution of Pb in fly ash discharged from refuse incinerating facility. Further, one part stability of the treating liquid is improved by adding additive E (gluconates, tartarates, benzoates, ligninsulfonates, polysaccharides, or bases comprising monovalent cations and hydroxide ions) and the like, resulting in excellent convenience.

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CPC (source: EP)

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CN109316704A; US8052986B1; CN109364422A; US11027993B2; WO0062949A1; WO2019023054A1; US10913670B2

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