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FOR INTELLECTUAL PROPERTY

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(12) **ABSTRACT OF INVENTION**

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**Akhmadullina Alfiya Garipovna (RU),
Akhmadullin Renat Maratovich (RU)**(54) **METHOD OF OXIDISING SODIUM SULPHIDE**

(57) Abstract:

FIELD: oil, gas and coke-chemical industries.

SUBSTANCE: invention relates to a method for decontaminating a concentrated sulphide-containing solution and can be used in gas, oil refining, petroleum, chemical, pulp and paper and other industries for neutralizing waste water containing inorganic sulphides. Described is a method of oxidising sodium sulphide with concentration of 3.0 wt. % in an aqueous solution,

catalyst used is catalyst KSM-X together with hydrocarbon solution 3.3', 5.5'-tetra-tert-butylstilbenquinone.

EFFECT: technical result consists in acceleration of sodium sulphide oxidation and increased depth of purification of waste from toxic sulphides at concentration of 3.0 wt%.

1 cl, 1 tbl, 21 ex

C 1
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2
R U

R U
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6
C 1