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(54) **PROCESS FOR TREATING LIQUID EFFLUENTS AND RECOVERING METALS**

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CPC ... ***C22B 3/44*** (2013.01); ***C02F 9/00*** (2013.01); *C02F 1/048* (2013.01); *C02F 1/20* (2013.01); *C02F 1/283* (2013.01); *C02F 1/5236* (2013.01); *C02F 1/5272* (2013.01); *C02F 2101/20* (2013.01); *C02F 2103/16* (2013.01); *Y02P 10/234* (2015.11)

(58) **Field of Classification Search**
None
See application file for complete search history.

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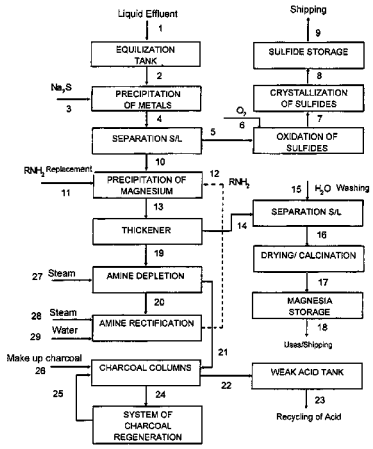
(57) **ABSTRACT**

A method for treating liquid effluents and recovering metals is described, which comprises the steps of: a) liquid effluent equalization; b) sulphide addition and precipitation of metals in the form of metal sulphides; c) solid/liquid separation of the metal sulphides produced in step (b) and formation of a metal-free liquid phase; d) addition of a 50 to 250 g/L amine solution to the liquid phase precipitating magnesium in the form of magnesium hydroxide (Mg(OH)2); and e) recovery of amine by stripping and rectification.

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