

Title (en)
METHOD OF OBTAINING A COAGULANT PRODUCT, PRODUCT INTENDED FOR MANUFACTURING THE SAID COAGULANT, AND METHOD OF TREATING WASTEWATER AND/OR INDUSTRIAL EFFLUENT USING THE SAID COAGULANT

Title (de)
VERFAHREN ZUM ERHALT EINES KOAGULATIONSMITTELPRODUKTS, PRODUKT ZUR HERSTELLUNG DES KOAGULATIONSMITTELS UND VERFAHREN ZUR BEHANDLUNG VON ABWASSER UND/ODER BETRIEBSWASSER UNTER VERWENDUNG DES KOAGULATIONSMITTELS

Title (fr)
PROCEDE D'OBTENTION D'UN PRODUIT COAGULANT, PRODUIT DESTINE A FABRIQUER LEDIT COAGULANT ET PROCEDE DE TRAITEMENT DES EAUX USEES ET/OU INDUSTRIELLES UTILISANT LEDIT COAGULANT

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Application
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• FR 0651042 A 20060327

Abstract (en)
[origin: FR2898889A1] The process of obtaining a coagulant product for treating urban and/or industrial wastewater, comprises preparing a raw material containing mud resulting from a treatment of drinking water and an ore containing iron and/or aluminum, subjecting the raw material to an acid attack for forming an iron and/or aluminum salts, preparing an initial mixture using the mud resulting from the treatment of drinking water and powder of ore containing iron and/or aluminum, dehydrating the initial mixture to form the raw material, and carrying out the acid attack of raw material. The process of obtaining a coagulant product for treating urban and/or industrial wastewater, comprises preparing a raw material containing mud resulting from a treatment of drinking water and an ore containing iron and/or aluminum, subjecting the raw material to an acid attack for forming an iron and/or aluminum salts, preparing an initial mixture using the mud resulting from the treatment of drinking water and powder of ore containing iron and/or aluminum, dehydrating the initial mixture to form the raw material, carrying out the acid attack of raw material having a mineral acid under an initial heating to form an intermediary product containing iron and/or aluminum salts, carrying out a filtration of the intermediate product to separate solid phase from liquid phase containing the coagulant product, and adding the powder of ore during the purification of the treatment of drinking water to obtain the initial mixture. The ore is charged by polyelectrolyte before the preparation step. The step of acid attack is carried out by hydrochloric/sulfuric acid. The step of dehydration is carried out by filter press unit/membrane filter press. A complementary step of dehydration of raw material is carried out through drying, filter press unit/membrane filter press. Independent claims are included for: (1) a coagulant product; and (2) a process of treating used and/or industrial water.

IPC 8 full level
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CPC (source: EP US)
C02F 1/5245 (2013.01 - EP US); **C02F 1/66** (2013.01 - EP US); **C02F 2209/02** (2013.01 - EP US); **C02F 2303/16** (2013.01 - EP US)

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