

Title (en)

PREPARATION OF ZINC CHEMICALS FROM THE MINOR FLOW OF A PROCESS

Title (de)

HERSTELLUNG VON ZINKCHEMIKALIEN AUS DEM NEBENSTROM EINES VERFAHRENS

Title (fr)

PREPARATION DE PRODUITS CHIMIQUES A BASE DE ZINC A PARTIR DU FLUX SECONDAIRE D'UN PROCESSUS

Publication

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Application

EP 05779682 A 20050906

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Abstract (en)

[origin: WO2006027412A1] The invention is a novel process arrangement for producing pure zinc chemicals from the minor flow of a calcining-dissolving-electrolysis type of a preparation process of zinc. The invention is based on the fact that part of the production of the zinc sulphate-containing solution obtained from the dissolution of the calcining-dissolving-electrolysis plant is directed to the preparation of zinc chemicals. The actual recovery process of zinc, which is based on electrolysis, is not disturbed, as only part of the production of the zinc sulphate solution is directed to the preparation of zinc chemicals. The extraction process is based on the use of any organically substituted phosphoric acid or organically substituted thiophosphinic acid. The strong acid solution, which is generated as a by-product in the extraction process of zinc, is recycled back to the calcining-dissolving-electrolysis type of a preparation process of zinc.

IPC 8 full level

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CPC (source: EP US)

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