

عنوان مقاله:

Recovery of Platinum and Rhenium from the Spent Aromatization Catalyst of Naphta Using the Ion Exchange Method

محل انتشار:

پنجمین کنگره بین المللی مهندسی شیمی (سال: 1386)

تعداد صفحات اصل مقاله: 12

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خلاصه مقاله:

This paper presents the recovery of the noble metals, platinum and rhenium from the spent aromatization catalyst of naphta using anion exchange resins. When the catalyst is solved in a mixture of sulphuric acid and aqua regia , the produced solution is passed through the columns which contain the ion exchange resins . The platinum and rhenium that exist in the solution are adsorbed on the resin and then the resin is washed by the means of a suitable acid and platinum and rhenium are desorbed from resin. The different parameters which affect the process of desorbtion and adsorption are also considered and the best condition for the maximum efficiency is determined. The efficiency has .been 100 % in the adsorption process and over 95 % in the desorbtion process

کلمات کلیدی:

Spent Catalyst , Ion exchange , Rhenium , Platinum , Anionic Resin

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