

Title (en)

METHOD FOR FLEXIBLY CONTROLLING THE USE OF HYDROCHLORIC ACID FROM CHEMICAL PRODUCTION

Title (de)

VERFAHREN ZUR FLEXIBLEN STEUERUNG DER VERWENDUNG VON SALZSÄURE AUS CHEMISCHER PRODUKTION

Title (fr)

PROCÉDÉ POUR LA COMMANDE FLEXIBLE DE L'UTILISATION D'ACIDE CHLORHYDRIQUE PROVENANT D'UNE PRODUCTION CHIMIQUE

Publication

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Application

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Priority

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Abstract (en)

[origin: WO2018134239A1] The invention relates to a method for flexibly controlling the use of hydrochloric acid having an HCl concentration of at least 10 wt%, in particular at a volume flow rate of at least 1 m³/h, obtained from a continuous chemical production process (A). In the method, purified hydrochloric acid (54) from a hydrochloric acid store (E) is optionally fed to a dispatch station (H), an HCl electrolysis station (F) and a chloralkali electrolysis station (L), which are consumption points for the hydrochloric acid, or to a neutralisation station (G) in that if one or more of said consumption points (H, F, L) is not available or if there are bottlenecks at the consumption points (H, F, L), the hydrochloric acid (54) is fed to the neutralisation station (G) and neutralised with concentrated alkali solution (55), in particular with concentrated sodium hydroxide solution, and the resulting salt solution (56) is fed either to the chloralkali process station (L) or to a disposal station (M).

IPC 8 full level

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Citation (search report)

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