

Title (en)

METHOD FOR CLEANING ALUMINUM AT LOW TEMPERATURES.

Title (de)

VERFAHREN ZUM REINIGEN VON ALUMINIUM BEI NIEDRIGEN TEMPERATUREN.

Title (fr)

PROCEDE DE NETTOYAGE DE L'ALUMINIUM A BASSES TEMPERATURES.

Publication

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Application

EP 93911127 A 19930512

Priority

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- US 9304316 W 19930512

Abstract (en)

[origin: WO9323590A1] An acidic cleaning process for aluminum, especially aluminum cans, that includes a pre-cleaning washing stage followed by an acid cleaning stage is improved by including in the pre-cleaning washing solution both of (i) a component of polyalkoxylated straight or branched chain alcohol surfactant and (ii) a component of polyalkylene glycol-abietic acid surfactant, which are maintained during the process in a ratio of component (i) to component (ii) within the range from 0.4:1 to 3.0:1. The method is particularly useful when the acid cleaning stage also contains both these types of surfactants, but at a lower ratio. A pre-cleaner replenisher composition comprising water, sulfuric acid, and polyalkoxylated straight or branched chain alcohol surfactant is advantageously used in the process.

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C23G 1/12

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CPC (source: EP KR)

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