

Title (en)

A method of controlling or regulating the composition of pickling bath solutions for acid pickling metallic materials.

Title (de)

Verfahren zum Kontrollieren oder Regulieren der Zusammensetzung von Beizbadlösungen für das saure Beizen metallischer Materialien.

Title (fr)

Procédé pour contrôler ou régler la composition de solutions de bains de décapage pour le décapage acide de matériaux métalliques.

Publication

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Application

**EP 81850148 A 19810904**

Priority

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Abstract (en)

The invention relates to a method for controlling or regulating the composition of pickling bath solutions when acid pickling metallic materials. In accordance with the invention there is measured one single readily measured physical quantity. The mathematical relationship between firstly the said physical quantity and the least two selected composition variables for the pickling bath solution and secondly between the two selected composition variables is established. With the aid of the measured value of the physical quantity and said mathematical relationship there is determined the selected variables for the composition of the pickling bath solution, and the pickling process is controlled or regulated on the basis of the result obtained. The physical quantity may be the electrical conductivity of the bath, its density, pH or absorbance at a selected wavelength. The selected composition variables may be the acid concentration and the concentration of a metal-ion. The measurement results are suitably fed to an instrument together with said relationships, which instrument may be based on microcomputer technique arranged to convert input data to control signals.

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IPC 8 full level

**C23G 1/02** (2006.01)

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Citation (search report)

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