

Title (en)

METHOD FOR MEASUREMENT AND REGULATION OF THE CONCENTRATION OF COPPER, FORMALDEHYDE AND SODIUMHYDROXIDE IN AN ELECTROLESS COPPER DEPOSITION BATH AND SAMPLING APPARATUS FOR USE IN THIS METHOD

Publication

EP 0016415 B1 19840613 (DE)

Application

EP 80101281 A 19800312

Priority

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Abstract (en)

[origin: US4286965A] A control apparatus for automatically controlling at least the concentration of copper-ions, hydroxyl-ions and formaldehyde-ions in an electroless copper plating bath and independently analyzing, displaying and replenishing the concentration of each such ions whereby a sample for each of the ions is discontinuously removed from the plating bath and diluted with a specific amount of water and, independently of one another, the copper-ion concentration is colorimetrically analyzed, displayed and replenished as needed, the hydroxyl-ion concentration is potentiometrically analyzed, displayed and replenished as needed and the formaldehyde-ion concentration is amperometrically analyzed, displayed and replenished as needed.

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