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(71) Applicant: NALCO COMPANY [US/US]; 1601 W. Diehl Road, Naperville, Illinois 60563 (US).

(72) Inventors: WANG, Jin; 4351 Pine Blossom Trail, Houston, Texas 77059 (US). HILTON, Nigel P.; 14411 Twisted Oak Lane, Houston, Texas 77079 (US). FERGUSON, Sam; 13627 Runney Meade Drive, Sugar Land, Texas 77498 (US). SCATTERGOOD, Glenn L; Top of the City Apartments, Building 9, Room 4B, Lane 333, Weihai Road, Shanghai 200041 (CN).

(74) Agent: CARLSEN, Benjamin E.; 1601 W. Diehl Road, Naperville, Illinois 60563 (US).

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(54) Title: DESIGN DEVELOPMENT AND IMPLEMENTATION OF ANALYZER BASED CONTROL SYSTEM AND ALGORITHM

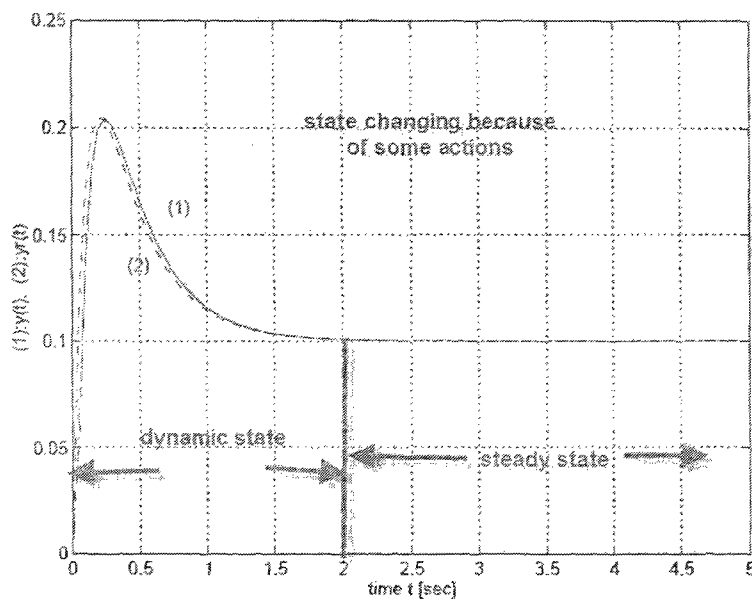


FIGURE 1

(57) Abstract: A method of correcting measurements of a chemical sensor used in an industrial facility. The method involves correcting for errors known to occur in the steady state and the dynamic state for specifically recognized situations. This method allows for correcting errors that occur due to deadtime, false zero measurements, and non-linear disturbances. The method combines automated measurement techniques and human know how to progressively learn and refine the accuracy of the corrections.



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