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- (71) **Applicant:** **DOW GLOBAL TECHNOLOGIES LLC**
[US/US]; 2040 Dow Center, Midland, Michigan 48674 (US).
- (72) **Inventors:** **PARRISH, John Roberts**; 5002 Dempsey Drive, Charleston, West Virginia 25313 (US). **MORROW, JR., Donald Alexander**; P.O. Box 8361, Building 772, South Charleston, West Virginia 25303 (US). **NELSON, Mark Louis**; S. Charleston Technical Center, Building 772, South Charleston, West Virginia 25313 (US).
- (74) **Agent:** **HAGEN, Robert J.**; 1201 Marquette Avenue South, Suite 400, Minneapolis, Minnesota 55403 (US).
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(54) **Title:** PROCESS CONTROL

(57) **Abstract:** Coordinated control systems and methods of controlling an actual process are provided. The coordinated control systems and methods of controlling an actual process utilize a nonlinear dynamic model, where measured disturbing variables are incorporated into the nonlinear dynamic model, and predictive controller calculations.

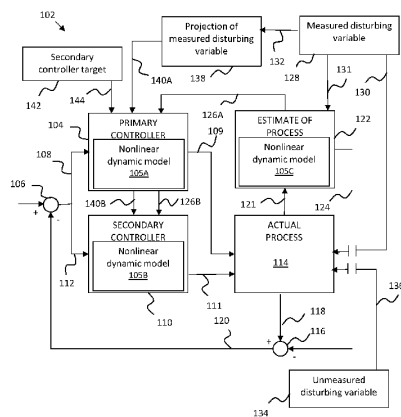


Figure 1