

Systems and Methods for Monitoring A Process Environment

Abstract

The invention presents a method, system and computer program product for monitoring a process output state of a process environment. The invention includes (i) receiving from one or more field devices, a first set of data identifying states of a set of n process environment parameters, (ii) identifying a set of m functions that satisfy two or more predefined conditions, (iii) generate a data model for determining a process output state of the process environment (iv) determining values for coefficients within the generated data model (v) determining a process output state of the process environment based on a second set of data identifying respective states of the set of n process environment parameters, wherein the second set of data is input to the generated data model, and (vi) generating a notification identifying the determined process output state of the process environment.

Figure 6