

A proxy interpreter to upgrade automated legacy systems

Field of the Invention

5 The present disclosure generally relates to upgrading existing automated legacy systems. More specifically, the present disclosure relates to system and method for a proxy interpreter system to collect and consolidate the setup, configuration, operation and quality inspection data from a plurality of interfacing devices and controllers of legacy systems and subsequently build a Reinforcement learning module using the
10 consolidated data to perform all the functions automatically without the intervention of a human operator. The consolidated data in the proxy interpreter module maybe further analysed using Deep learning methods for data analytics and artificial intelligence to reliably and consistently classify the defect criteria of products to further enhance the quality of the inspection. The defect criteria classification enables the Proxy Interpreter
15 system to highlight potential problems and aid in preventive maintenance of the legacy automated systems. The Proxy interpreter system enables legacy systems to adapt and scale to manufacture newer products with no human intervention whether it is related to operation of the legacy equipment or in the process of quality control.

20 Background of the invention

In the area of Automated Manufacturing, it becomes very important to be able to adapt computing and information processing capabilities to a more competitive,