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(57) Abstract :
"SYSTEM FOR ABNORMAL BEHAVIOR DETECTION USING MACHINE LEARNING" The present invention relates to a machine learning system, and more specifically, an abnormality detection device and a machine learning device that detect an abnormality during machine operation. The system for abnormal behavior detection using machine learning includes a set of sensors connected to data acquisition unit to sense various parameters of machine, a data acquisition unit configured to acquire maximum possible information about the machine under observation, a machine learning unit that learns the threshold value of detecting an abnormal behavior based on training data created from an output of the data acquisition unit, a memory storing instructions executable by the numerical control module, a numerical control module configured to connect with communication module configured to activate communication between the data acquisition unit & machine learning unit, and a communication module configured to transmit a control signal over a control channel that runs from a connector port on a patch panel of the local area network between the data acquisition unit & machine learning unit. Dated this 17th day of October, 2022 POOJA AGENT FOR THE APPLICANT IN/PA/1838

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