

ABSTRACT

CONVEYOR REAL TIME PERFORMANCE MONITORING

- 5 The present invention discloses a method for monitoring performance of a conveyor system comprising the steps of: acquiring, a plurality of stored historical data from a database (310); transforming, via a data pre-processing module (320), the acquired historical data into machine learning readable format; specifying a data range from the transformed historical data related to running profiles of the conveyor system captured
- 10 by at least one sensor, via the data pre-processing module (320); developing and training, via a machine learning training module (330), a plurality training models (335) for predicting abnormal conditions of the conveyor system based on the specified data range; inputting, via an input module (340), real-time data captured by the sensors into the trained model; computing, via the trained model (335), the abnormal conditions
- 15 based on the real-time input data; and, displaying, via a display module (350), the performance result of the conveyor system based on the computed result.

(The most illustrative figure: Fig. 1)