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(54) **SYSTEM AND METHOD FOR LOCATION BASED ERROR CORRECTING AND VIDEO TRANSCRIBING CODE SELECTION**

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(57) **ABSTRACT**

A computer-implemented method includes receiving a plurality of data associated with a device, wherein the plurality of data includes a location data associated with the device; applying the plurality of data as an input to a trained Machine Learning (ML) model to determine an error correcting code to be used for the device based on an output of the selected ML model; and sending the error correcting code to the device.

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Input Layer 310 — Hidden Layer 320 — Output Layer 330

Device Type Data 302
Location/Time Data 304
Environmental Data 306

321 322 323 324
325 326 327 328

Error Correcting Code 332
Transcoding 342