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Lam et al.

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(54) **METHOD AND APPARATUS OF SECURED INTERACTIVE REMOTE MAINTENANCE ASSIST**

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CPC ***H04N 7/185*** (2013.01); ***G06F 11/0709*** (2013.01); ***G06F 11/0748*** (2013.01);
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CPC G06F 11/0709; G06F 11/0793; G06F 11/0748; G06F 11/3664; H04N 7/185; H04N 9/3191; H04L 63/0428; H04L 63/08
See application file for complete search history.

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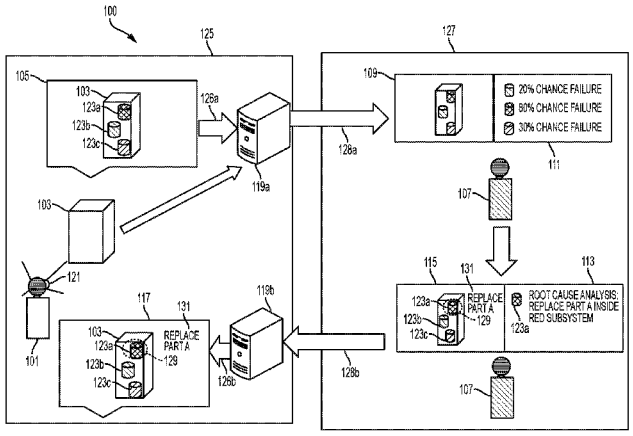
(57) **ABSTRACT**

A system and method for using the system comprising a head mounted device (HMD), a remote maintenance server (RMS), and a control section operable to identify the system under test (SUT) using an image recognition function, to identify a plurality of subsystems (PLoS) within the SUT in a data library, to create three dimensional models of the PLoS and displaying the same on a visual interface of the HMD using an augmented reality function, to connect to the RMS using an encryption algorithm via streaming video or images sent to the RMS, to collect SUT data and external (to the SUT) sensor data, to conduct a prognostics and/or health, maintenance, and/or management (HMM) service on the collected data to determine system health and projected health of the SUT and/or PLoS, to authenticate remote user
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