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PAT. NO.

Title

- 1 [10,794,867](#)  [System and method of diagnosing tube sensor integrity by analysis of excited stress waves](#)
- 2 [10,712,230](#)  [Stretchable sensor layer](#)
- 3 [10,241,004](#)  [System and method for monitoring the structural health of coupled bearings](#)
- 4 [9,927,323](#)  [System and method for monitoring the structural health of coupled bearings](#)
- 5 [9,791,418](#)  [System and method for monitoring the structural health of rotating elements](#)
- 6 [9,217,730](#)  [Input-protected structural health monitoring system](#)
- 7 [9,109,999](#)  [Transducer array self-diagnostics and self-healing](#)
- 8 [8,639,453](#)  [Structural health monitoring system having integrated power supply](#)
- 9 [8,521,444](#)  [Method and apparatus for estimating damage in a structure](#)
- 10 [8,401,804](#)  [Trigger circuit for low-power structural health monitoring system](#)
- 11 [8,352,201](#)  [Integrated circuit system for controlling structural health monitoring processes](#)
- 12 [8,347,722](#)  [Method and apparatus for conducting structural health monitoring in a cryogenic, high vibration environment](#)
- 13 [8,306,779](#)  [Detectable defect size and probability-of-detection](#)
- 14 [8,301,400](#)  [Optimal sensor location for damage detection](#)
- 15 [8,265,889](#)  [Integrated circuit system for controlling structural health monitoring processes and applications therefor](#)
- 16 [8,244,486](#)  [Structural health monitoring system having memory on structure](#)
- 17 [8,229,680](#)  [Method and apparatus for loosening of fasteners on structures](#)
- 18 [8,069,011](#)  [Generating damage probability-of-detection curves in structural health monitoring transducer networks](#)
- 19 [8,046,177](#)  [Method and apparatus for detecting damage in armor structures](#)
- 20 [8,036,836](#)  [Dynamic environmental change compensation of sensor data in structural health monitoring systems](#)
- 21 [8,020,444](#)  [Functional actuator-sensor path optimization in structural health monitoring system](#)
- 22 [7,946,176](#)  [Methods and apparatus for extracting first arrival wave packets in a structural health monitoring system](#)

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|----|---------------------------|---|
| 23 | 7,930,128 | T Robust damage detection |
| 24 | 7,908,095 | T Detecting damage in metal structures with structural health monitoring systems |
| 25 | 7,809,513 | T Environmental change compensation in a structural health monitoring system |
| 26 | 7,672,793 | T Method for calculating probabilistic damage sizes in structural health monitoring systems |
| 27 | 7,596,078 | T Method and apparatus for reducing crosstalk in a structural health monitoring system |
| 28 | 7,430,911 | T Method of detecting and analyzing changes in the external loading conditions of a structure |
| 29 | 7,413,919 | T Method of manufacturing a structural health monitoring layer |
| 30 | 7,395,189 | T Method and apparatus for switching among elements of a structural health monitoring system |
| 31 | 7,387,033 | T Single-wire sensor/actuator network for structure health monitoring |

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