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(54) Title: OPTICAL SENSOR INTERROGATION SYSTEM

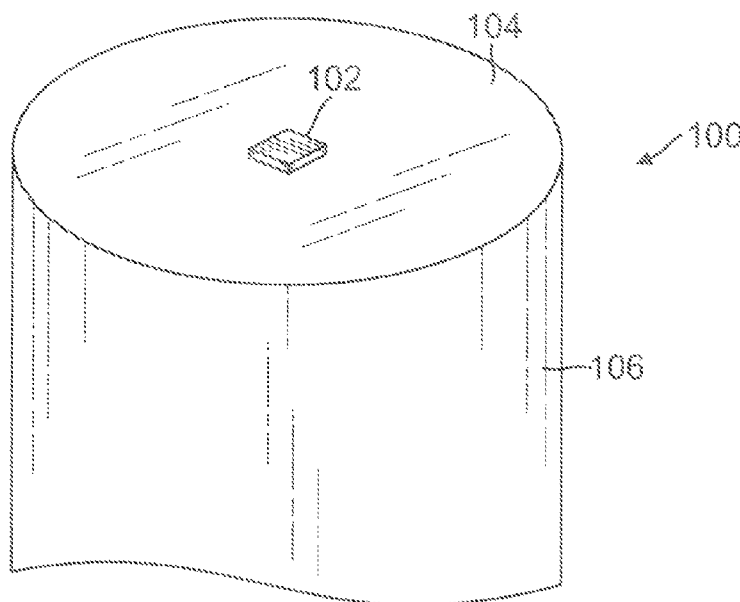


FIG. 1

(57) Abstract: Apparatus and a method for monitoring various conditions of a vehicle structure including an optical sensor comprising an optical fiber bearing a photonic crystal mounted to one end, an interrogation system including an optical signal generator interfacing with one or more of the optical sensors located remotely from the interrogation module, and a method of monitoring the vehicle structural health using the interrogation system.



SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

— *as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))*

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