

NON-DESTRUCTIVE INSPECTION USING UNMANNED AERIAL VEHICLE

ABSTRACT

5 Provided is a nondestructive inspection (“NDI”) system (100) that includes an unmanned
aerial vehicle (“UAV”) (102) comprising a body structure (204) and at least one support arm
(502). The support arm (502) includes a first arm portion (504) having a first end coupled to the
body structure (204) and a second end coupled to a second arm portion (506). The second arm
portion (506) includes a first end coupled to the second end of the first arm portion (504) and a
10 second end coupled to an NDI scanning device (104). The support arm (502) also includes a
compliant member (210) disposed between the first arm portion (504) and the second arm
portion (506). The NDI scanning device (104) includes one or more NDI sensors.

FIG. 1

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