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(54) Title: NON-CONTACT NON-DESTRUCTIVE TESTING METHOD AND SYSTEM

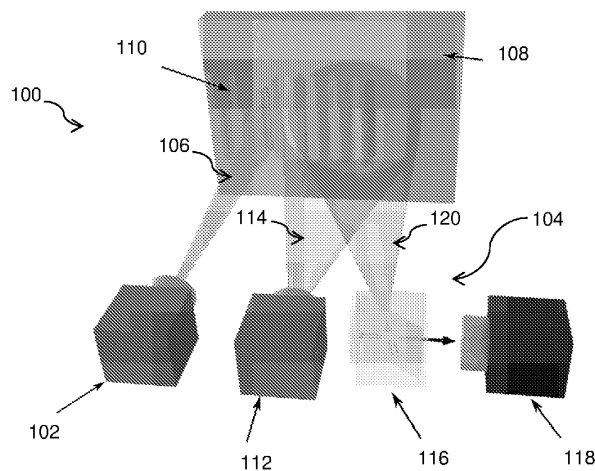


Figure 1

(57) Abstract: A non-contact non-destructive testing method includes spatially and/or temporally controlling a laser excitation light based on a predetermined pattern. The laser excitation light is projected onto a surface of a test object to generate acoustic waves on the test object. The acoustic waves apply stress loading to the test object. The method also includes imaging the test object with and without stress loading using shearography imaging, and analyzing shearography imaging data to determine a presence of a defect in the test object.

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