

Claims

1. An apparatus for analyzing an object, the apparatus comprising
a thermal analysis device adapted for analyzing a thermal distribution
5 of the object in response to a thermal activation of the object;
a geometrical measurement device adapted for analyzing the geometry
of the object;
an evaluation unit adapted for performing a combined evaluation of
information obtained from the thermal analysis device and from the
10 geometrical measurement device.

2. The apparatus of claim 1,
comprising a thermal excitation unit adapted for thermally exciting
the object, particularly for thermally exciting the object by induction or
15 irradiation with electromagnetic radiation.

3. The apparatus of claim 2,
wherein the thermal excitation unit comprises an induction coil
adapted for being powered for inducing eddy currents in the object to thereby
20 thermally excite the object.

4. The apparatus of any one of claims 1 to 3,
wherein the thermal analysis device comprises a thermal image
camera, particularly an infrared camera.

25 5. The apparatus of any one of claims 1 to 4,
wherein the geometrical measurement device comprises an
electromagnetic radiation source adapted for illuminating a surface of the
object with electromagnetic radiation and comprises an electromagnetic