

**Auxiliary Request - Amended Claims**

1. An apparatus for analyzing an object (120, 220) with a longitudinal axis,  
the apparatus comprising

5 a thermal activation unit (230) adapted for thermally activating the  
object (120, 220);

10 an image acquisition unit (106) having a depth of focus and being  
adapted for acquiring a first image of the object (120, 220) before  
thermal activation, and for acquiring a second image of the object (120,  
220) after thermal activation,

15 the first image of the object (120, 220) comprising a plurality of first  
image parts (108, 109, 110), and the second image of the object (120,  
220) comprising a plurality of second image parts; and

20 a plurality of mirrors (101 to 105; 201 to 205, 211 to 215) arranged in  
an electromagnetic radiation path (111, 112, 113) between the object  
(120, 220) and the image acquisition unit (106) in such a manner that  
electromagnetic radiation path lengths (111, 112, 113) assigned to  
different ones of the first image parts (108, 109, 110) differ by not  
more than the depth of focus from one another and that  
25 electromagnetic radiation path lengths assigned to different ones of the  
second image parts differ by not more than the depth of focus from one  
another,

30 wherein the plurality of mirrors (101 to 105; 201 to 205, 211 to 215) is  
arranged such that a complete 360° view around the object (120, 220)  
is reflected to the image acquisition unit (106) via the plurality of  
mirrors (101 to 105; 201 to 205, 211 to 215), and

wherein each of the plurality of first image parts (108, 109, 110) of the