

Title (en)  
VIEWING APPARATUS

Title (de)  
BETRACHTUNGSVORRICHTUNG

Title (fr)  
APPAREIL D'OBSERVATION VISUELLE

Publication  
**EP 0981777 A1 20000301 (EN)**

Application  
**EP 98921612 A 19980514**

Priority  
• GB 9801383 W 19980514  
• GB 9709738 A 19970514

Abstract (en)  
[origin: GB2325300A] Apparatus operative to form a 2-D representation of a number of different views of a 3-D object, for example a cow's teat, comprises a support casing 14 housing an array of five mirrors 16 arranged about a vertical axis 18 of the apparatus. Light from a source 38 is reflected by a beam splitter 34 and is subsequently reflected by mirrors 16 onto an object within the viewing space. Light reflected by the object is returned via the mirrors and beam splitter to a camera 20 which may be separated from the apparatus using fibre optics. The support casing is movable to allow positioning of the object within the viewing space. Spectral analysis may be used to detect the presence of contamination or disease of the object. A plurality of cameras responsive to different wavebands and a broad band source, or a single camera and a plurality of narrow band sources may be used.

IPC 1-7  
**G02B 27/14**; G02B 17/00; A01J 7/00; G01N 21/88

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