

ABSTRACT

5 A parabolic reflector and an inclined planar light  
reflector in a cathodoluminescence detector are  
integrated with a set of photo-sensitive solid-state  
detector cells mounted in quadrature on a supporting  
plate, and supported by an electron microscope vacuum  
chamber specimen stage adaptor unit. Designed for CL  
emission operation in an electron microscope, the  
parabolic light reflector, the inclined planar light  
10 reflector and the photo-sensitive, solid-state detector  
cells are optically aligned and mechanically combined  
through the supporting plate of the detector cells. A  
readily exchangeable unit is thus obtained. The unit is  
further supported by the specimen stage adaptor unit so  
15 as to obtain a mechanical unit which can easily be  
mounted in and removed from any standard electron  
microscope vacuum chamber stage as a single integrated  
unit.

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