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ABSTRACT OF THE DISCLOSURE

1 A cathodoluminescence detection system including a semi-
2 ellipsoidal mirror of high ellipticity, with the mirror
3 constructed of material of low atomic number to minimize
4 interference caused by backscattered electrons. An emission
5 radiation guide is mounted in line with the axis of rotation of
6 the mirror to optimize CL radiation collection. Low detector
7 height provides high spatial resolution in electron beam
8 systems.