

Title (en)  
OPTICAL SENSOR WITH PLANAR WALL

Title (de)  
OPTISCHER SENSOR MIT EBENER WAND

Title (fr)  
CAPTEUR OPTIQUE AVEC UNE PAROI PLANE

Publication  
**EP 1153371 B1 20020911 (EN)**

Application  
**EP 99904648 A 19990217**

Priority  
CA 9900116 W 19990217

Abstract (en)  
[origin: WO0049582A1] An improved optical sensor for a banknote validator uses an aspherical lens having a planar wall as a combination radiation plug for a port in the pathway and a focusing arrangement. Emitters and receivers are closely positioned on a common support and generally located at the focal point of the lens. The radiation reflected by a banknote is focused and received by the receiver. The lens also serves to collimate the produced radiation of the emitters for scanning of the banknote.

IPC 1-7  
**G07D 7/00**

IPC 8 full level  
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CPC (source: EP US)  
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