

ABSTRACT**VIEWING DEVICE OPERATING WITH CODED SUBSTRATE**

A viewing device includes a body; at least one sensor mounted on or in the body and for sensing coded data on or in a substrate; a transmitter mounted on or in the body and for transmitting, to a computer system, first data at least partially based on said sensed data; a receiver mounted on or in the body and for receiving, from the computer system, at least display data associated with an identity derived from the sensed data; at least one display device mounted on or in the body and for outputting visual information based at least partially on said display data, and a printer mechanism mounted on or in the body and for printing on the substrate. When the device is placed in an operative position on the substrate, the sensor may sense coded data on or in the substrate and the printing mechanism may print on the substrate without relative movement of the viewing device relative to the substrate.

Figure 7