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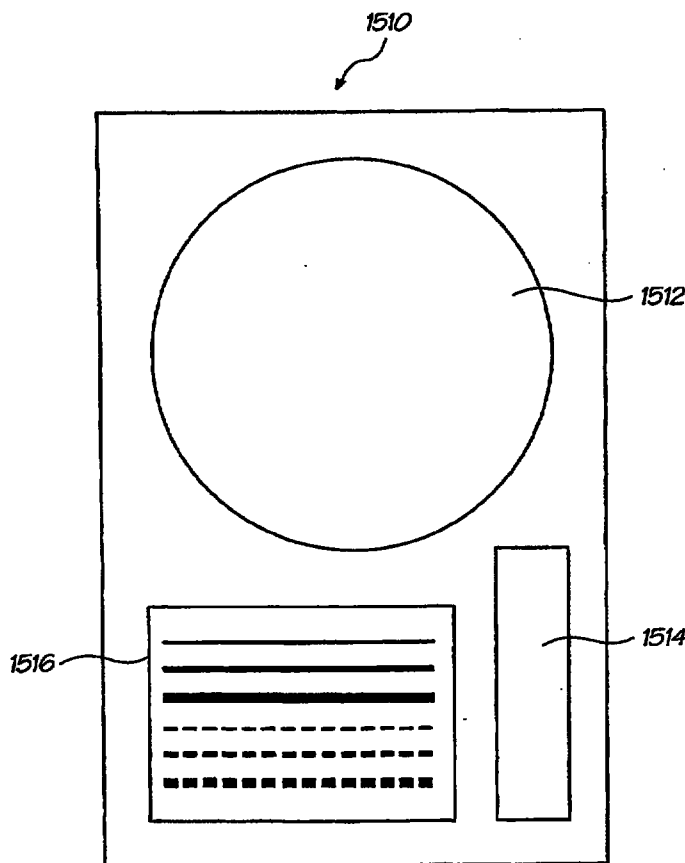
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(54) Title: **ELECTRONICALLY CONTROLLABLE PEN WITH SENSOR**



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(57) Abstract: A pen including a marking device such as an ink jet head, the pen being operative to mark a visible path onto a surface, the marking device being electronically controllable to change an attribute of the path such as colour or line thickness/style. The pen includes a user interface such as buttons or a slider and a display whereby a user may select and modify the attribute. A sensor is capable of sensing images (e.g. a line with a given thickness, texture or opacity) or colour for inputting an attribute to be selected and which can be stored in a memory of the pen. An attribute may be sampled from a card (1510) which includes a rainbow of predefined colours (1512), an area (1514) for selecting brightness and an area (1516) for line thickness and/or style. The sensor may directly read the image or colour on the card or read invisible coded tags.

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