

Title (en)

SMART ELECTRONIC LABEL EMPLOYING ELECTRONIC INK

Title (de)

INTELLIGENTES ELEKTRONISCHES ETIKETT MIT ELEKTRONISCHEM FARBSTOFF

Title (fr)

ETIQUETTE ELECTRONIQUE INTELLIGENTE METTANT EN APPLICATION DE L'ENCRE ELECTRONIQUE

Publication

**EP 1461802 A1 20040929 (EN)**

Application

**EP 02717399 A 20020207**

Priority

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- US 26704801 P 20010207
- US 26875201 P 20010214

Abstract (en)

[origin: WO02063602A1] The present invention provides for smart and dumb implementation of a stand-alone, remotely updateable, remotely alterable, flexible electronic label (16). The flexibility of the electronic label (16) allows the label to fit into and conform to the shape of the molding used in retail store shelving to display merchandize and warehouse shelving. The flexible, thin label (16) includes a flexible display assembly having electronic ink disposed on a support, one or more antennas for sending or receiving signals corresponding to one of instructions, programs, data or selected indicia to be displayed by the display assembly, a storage element in circuit (28) with the antenna for storing the instructions, programs, data and indicia, and one or more processors (24) for intelligently determining the indicia to be displayed by the display assembly, for controlling and coordinating operation of the label, and for generating output signals for instructing the display assembly to display the indicia.

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IPC 8 full level

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