

Title (en)
MULTI-FORMAT BAR CODE READER

Title (de)
MULTIFORMAT BARKODELESER

Title (fr)
LECTEUR DE CODE-BARRES A FORMATS MULTIPLES

Publication
EP 1261934 A1 20021204 (EN)

Application
EP 01923310 A 20010228

Priority
• US 0140211 W 20010228
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Abstract (en)
[origin: WO0182214A1] A method and apparatus is disclosed for selectively reading a barcode, symbol, or other indicia by either scanning the barcode with a flying-spot scan, or by imaging the barcode, thereby improving reading performance by tailoring the reading method to the particular item that is being read. Both a flying-spot laser scanning front end and an imaging front end are incorporated in a single device. Data obtained by the selected reading method is decoded and output. A common decoder or separate decoders may be used to decode the data from the two front ends. A single image sensor may be shared between the flying-spot front end and the imaging front-end, with a limited readout area utilized for laser scanning. The size of the readout area may be adjusted based on detected target proximity. Selection of the reading mode may be based on criteria including manual input, the range of the target, or previous failed attempts to read the barcode using either reading method. An integrated data reader in a console configuration may include a window having a special area in the corner or elsewhere for collecting data by presentation to the imaging front-end, with the flying-spot front end, with its larger depth of field, being utilized for general scanning through the window.

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