

ABSTRACT

AUTO-CONFIGURATION OF HARDWARE
ON A PORTABLE COMPUTING DEVICE

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A method of manufacturing a portable computing device, involves the steps of (1) maintaining a table comprising stimulus/response data for possible hardware components that may be interfaced in the computing device; (2) performing one manufacturing step in the manufacture of the portable computing device by interfacing one of the possible hardware components with one other component of the computing device; and (3) performing one other manufacturing step in the manufacture by: (i) applying a stimulus to the interfaced hardware component, and reading a response from the interfaced hardware component in response to the applied stimulus; (ii) identifying the interfaced hardware component from a correlation of the response with the stimulus/response data; and (iii) saving the identification as configuration data in the computing device.

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(Fig. 3)