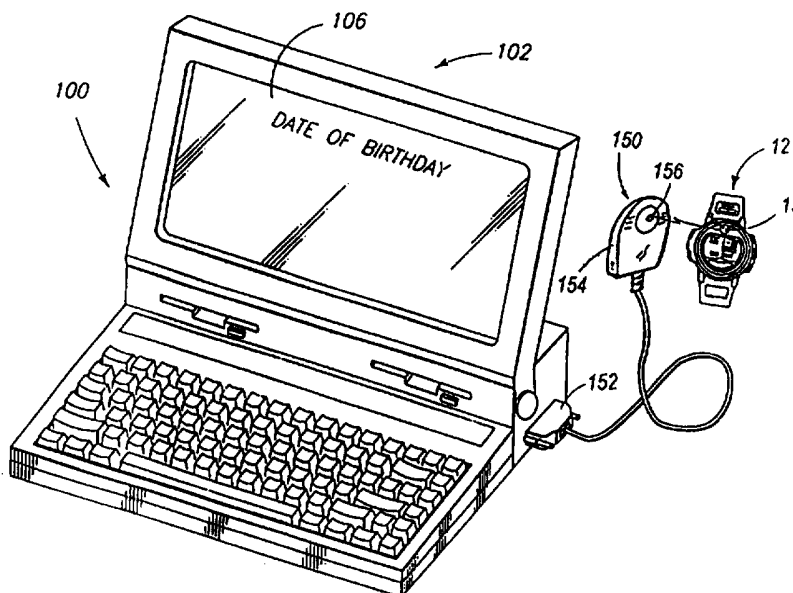




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(54) Title: OPTICAL TRANSMISSION OF SERIAL DATA



(57) Abstract

Accessory for a laptop computer (102) with LCD display which is connected (152) to the laptop serial communications port and optically transmits data (156) to a portable information device, such as a wristwatch (12) designed to receive data (13) as sequential pulses of light. The accessory includes a microcomputer (170) with an RC timebase which is calibrated each time it is used by a special internal program (fig. 10), so that the input baud rate to the accessory matches the communications baud rate of the data received from the laptop. The internal program also permits selection of an output baud rate for the optically transmitted data.

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INTERNATIONAL SEARCH REPORT

International application No.
PCT/US97/03686

A. CLASSIFICATION OF SUBJECT MATTER IPC(6) : G06F 7/00; H04B 10/00 US CL : 364/705.01; 359/142, 148 According to International Patent Classification (IPC) or to both national classification and IPC		
B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) U.S. : 364/705.01, 705.07, 705.08, 708.1; 359/142, 148; 968/895 Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) APS search terms: pulse position modulation, ppm, serial, light, infrared, ir, transmit, baud rate, match, rate, speed		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 4,418,322 A (CHANG) 29 November 1983, entire document.	2, 3, and 8
Y	US 4,761,800 A (LESE ET AL) 02 August 1988, abstract, col. 2, lines 25-40.	1-9
A	US 5,008,902 A (KEY ET AL) 16 April 1991, entire document, especially col. 1, lines 31-33.	1-9
Y	US 5,319,545 A (MCGARVEY ET AL) 07 June 1994, col. 5, lines 58-61.	6
Y	US 5,495,358 A (BARTIG ET AL) 27 February 1996, col. 2, lines 57-60.	1-9
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Date of the actual completion of the international search 15 AUGUST 1997		Date of mailing of the international search report 08 OCT 1997
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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X, E	US 5,617,236 A (WANG ET AL) 01 April 1997, col. 2, lines 45-51, col. 3, lines 52-61, col. 4, lines 42-44, col. 10, lines 28-34, fig. 3f.	1-9
A, E	US 5,652,602 A (FISHMAN EL AL) 29 July 1997, entire document.	1-9