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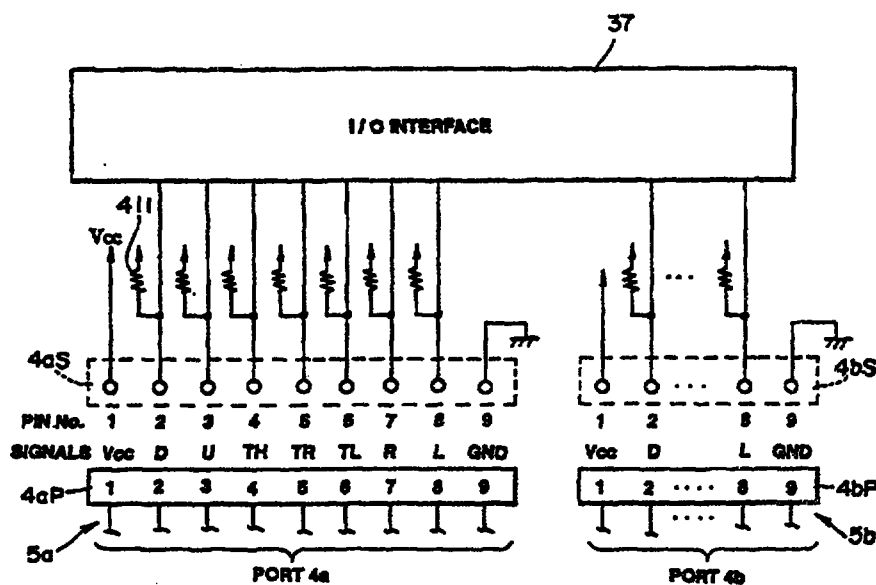


(54) Title: IMPROVEMENT IN COMMUNICATION BETWEEN DATA PROCESSING APPARATUS AND PERIPHERAL DEVICE THEREOF

(57) Abstract

A peripheral device for use with a data processing apparatus. The apparatus has a peripheral port with a set of terminal pins consisting of first to ninth pins disposed in a row. The first pin is assigned for one of a power source and the ground potential, the ninth pin for the other of the power source and the ground potential, the second, third, seventh and eighth pins for transmitting data signals, and the fourth to sixth pins for transmitting control signals. The apparatus has an element for selecting the communication mode of the peripheral device connected to the peripheral port, based on the data signals transmitted from the second, third, seventh and eighth pins. The peripheral device

comprises a plug connector detachably connected to the peripheral port, the plug connector having a set of terminal pins consisting of first to ninth pins disposed in a row, a cable including a plurality of wires connecting the terminal pins of the plug connector with terminals on an internal printed circuit board, and an element for transmitting data signals including identification data representing the communication mode via at least one of the second, third, seventh and eighth pins in synchronization with a clock signal supplied from the apparatus.

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