



AJAY V. BHATT

THE USB ARCHITECT

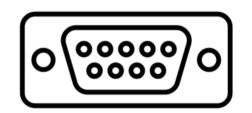
KNOW THY INVENTORS



The Pre-USB Era



Each port/peripheral required separate configuration and troubleshooting

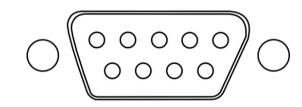


Serial and Parallel Port

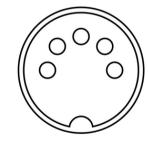




PS/2 Port



RS-232 Port



5-Pin DIN





Hail The Single Connector



- In 1994, Ajay Bhatt and his team at Intel developed a hierarchical serial bus assembly (later known as the Universal Serial Bus) a single connector that supported a plug-and-play scheme and supplied both power and data to the peripherals
- It could theoretically allow ~127 peripherals to be simultaneously connected to a computer
- Intel began filing for patents and also partnered with Microsoft, Compaq, Digital, Northern Telecom, NEC and IBM to form a USB Implementers Forum
- Intel began producing the first USB compatible integrated circuits in 1995



United States Patent [19]

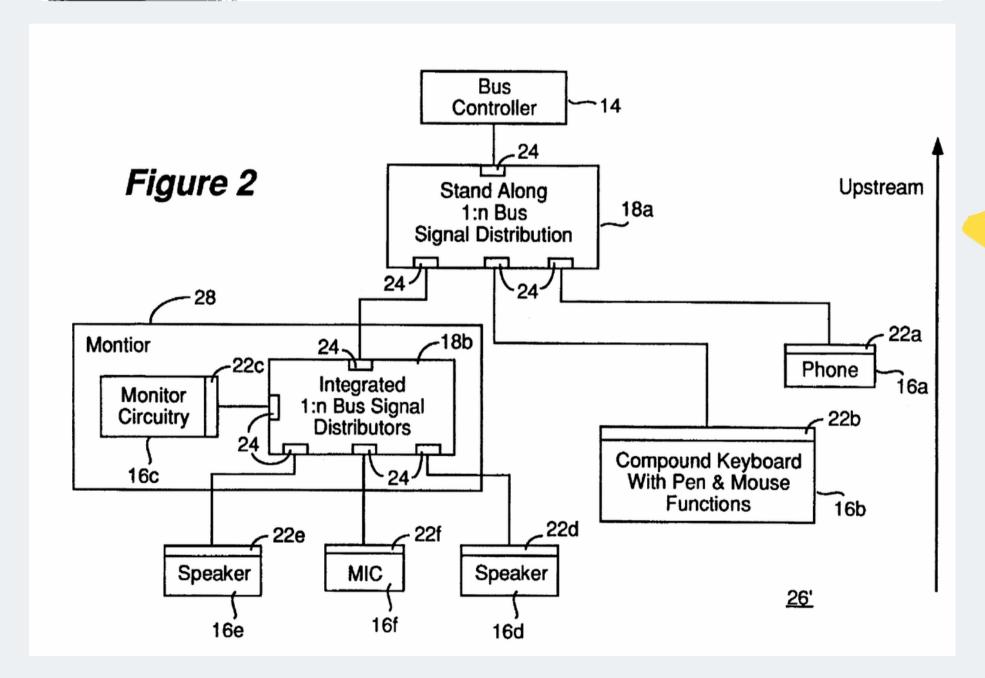
11] Patent Number:

5,615,404

Knoll et al.

[45] Date of Patent:

Mar. 25, 1997



Exemplary Patent

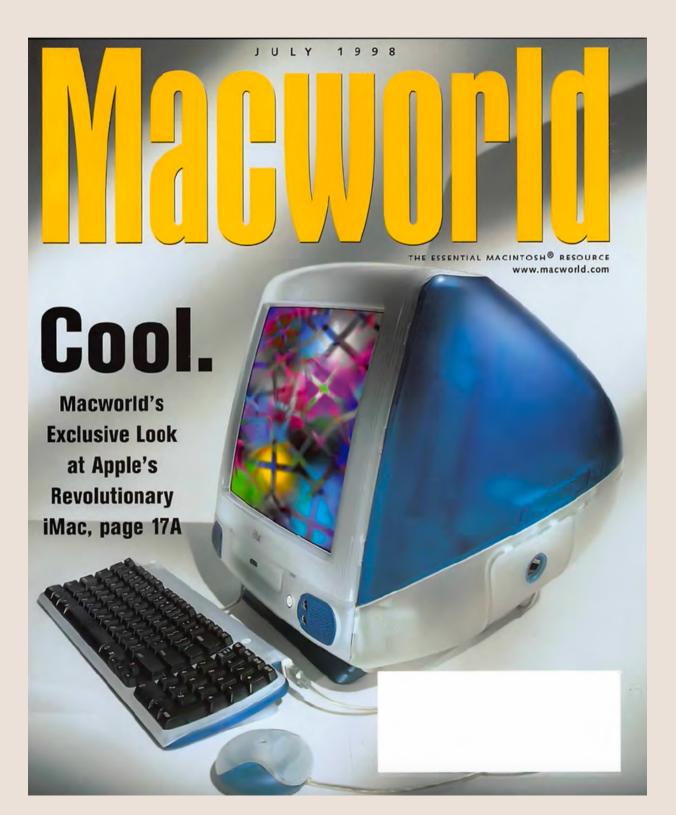
A hierarchical serial bus assembly that includes a number of 1:n bus signal distributors for serially interfacing multiple peripherals to a computer system



iMac G3: The First Product Adoption







USB: Ready for Prime Time?

PERHAPS THE BIGGEST VARIABLE IN THE IMAC'S EQUATION IS Apple's renunciation of its old connectivity standbys-SCSI, ADB, and traditional Macintosh serial ports-in favor of the Universal Serial Bus (USB).

