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[54] SYSTEM AND METHOD FOR PERFORMING INTERLOCUTION AT A PLURALITY OF TERMINALS CONNECTED TO COMMUNICATION NETWORK

5,159,669 10/1992 Trigg et al. 395/159

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OTHER PUBLICATIONS

Seybold, Jonathan "Xerox's Star", In the Seybold Report, Media, Pa.: Seybold Publications, vol. 10, No. 16, 1981.

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[57] ABSTRACT

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A plurality of work stations each imparted with a multi-window control function are interconnected through an integrated service digital network (ISDN), wherein control communication route is established among a plurality of stations between which interlocutory communication are to be performed. The work stations transfer control commands by way of the control communication route in accordance with operation by users under the control of an interlocution control program to thereby establish or disconnect a logical communication route between designated application programs of the work stations. So long as the logical communication route is established, the application programs can execute data processing in cooperation with each other. In that case, identical change of display in the windows corresponding to the application programs, respectively, takes place in the work stations. User can perform conference or document edition processing by designating the position of data of concern by a pointing object while conducting conversation by using a telephone set installed at the work station.

Related U.S. Application Data

[63] Continuation of Ser. No. 350,850, May 12, 1989, abandoned.

[30] Foreign Application Priority Data

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[51] Int. Cl.⁵ G06F 13/14; G06F 3/14

[52] U.S. Cl. 395/200; 395/153; 395/157

[58] Field of Search 395/200, 153, 157, 158, 395/159

[56] References Cited

U.S. PATENT DOCUMENTS

3,618,035	11/1971	Simms	.....	364/200
4,414,621	11/1983	Bown et al.	.....	364/200
4,479,195	10/1984	Herr et al.	.....	369/900
4,653,020	3/1987	Cheselka et al.	.....	395/157
4,823,108	4/1989	Pope	.....	395/157 X
4,974,173	11/1990	Stefik et al.	.....	395/157
5,008,853	4/1991	Bly et al.	.....	395/153
5,107,443	4/1992	Smith et al.	.....	395/158

9 Claims, 24 Drawing Sheets

