



US005499374A

United States Patent [19]

[11] Patent Number: **5,499,374**

Di Giulio et al.

[45] Date of Patent: **Mar. 12, 1996**

[54] **EVENT DRIVEN COMMUNICATION NETWORK**

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[21] Appl. No.: **155,496**

[22] Filed: **Nov. 22, 1993**

Related U.S. Application Data

[63] Continuation of Ser. No. 847,505, Mar. 6, 1992, abandoned.

[51] Int. Cl.⁶ **G06F 13/36**

[52] U.S. Cl. **395/728**; 364/DIG. 1; 364/229; 364/230.3; 364/240; 364/240.4; 395/287

[58] Field of Search 395/325, 200, 395/550, 725, 287, 728; 370/67, 95.1, 85.1, 85.8, 95.2

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[57] ABSTRACT

A cost-effective motion control system communication architecture is provided that supports a centralized control node, distributed control nodes, and smart I/O peripheral control nodes. Networks designed using this architecture, which employs a serial bus, may be readily modified or expanded. The architecture supports both real-time highly periodic communications and event-driven peer-to-peer communications.

20 Claims, 21 Drawing Sheets

