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[54] **CARD CAGE SHIELDING CONTACTOR**

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[58] Field of Search **174/35 R, 35 GC; 361/683, 686, 752, 753, 796, 799, 800, 816, 818; 439/61, 88, 92, 95, 609, 947**

[56] **References Cited**

U.S. PATENT DOCUMENTS

- 4,873,395 10/1989 Mast 174/35 GC
- 5,023,754 6/1991 Aug et al. 361/415
- 5,168,428 12/1992 Suzuki 361/395

- 5,317,105 5/1994 Weber 174/35 GC
- 5,579,210 11/1996 Ruhland et al. 361/816
- 5,650,922 7/1997 Ho 361/799
- 5,679,923 10/1997 Le 174/35 R

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[57] **ABSTRACT**

A card cage shielding contactor for being interposed between a circuit card bracket and a computer chassis to enhance an electrical shielding connection between the circuit card bracket and the computer chassis when the card cage is juxtaposed with the computer chassis, the card cage shielding contactor including a relatively thin, flexible sheet of electrically conductive material having a multiplicity of contactors in the form of resiliently deflectable fingers located along bands in the sheet and projecting from the bands to establish contact forces enhancing electrical shielding contact between the circuit card bracket and the computer chassis through the card cage shielding contactor.

6 Claims, 4 Drawing Sheets

