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Kamikakai et al.

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[45] **Date of Patent:** ***Nov. 28, 2000**

[54] **PORTABLE INFORMATION PROCESSING APPARATUS**

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[75] Inventors: **Hideaki Kamikakai; Katsuichi Goto**,
both of Kawasaki, Japan

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[73] Assignee: **Fujitsu Limited**, Kawasaki, Japan

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[*] Notice: This patent issued on a continued prosecution application filed under 37 CFR 1.53(d), and is subject to the twenty year patent term provisions of 35 U.S.C. 154(a)(2).

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[22] Filed: **Oct. 31, 1997**

[30] **Foreign Application Priority Data**

Dec. 2, 1996 [JP] Japan 8-321975

[51] **Int. Cl.**⁷ **G06F 1/16; E05D 11/00**

[52] **U.S. Cl.** **361/681; 16/342; 16/366; 361/680**

[58] **Field of Search** **361/680, 681, 361/683; 364/708.1; 16/342, 366**

Primary Examiner—Leo P. Picard

Assistant Examiner—Lisa Lea-Edmonds

Attorney, Agent, or Firm—Staas & Halsey LLP

[57] **ABSTRACT**

A portable electronic device has a main body, a display part having a display panel, and a connection part having a first rotary part respectively connected to and rotatably interconnecting a second rotary part and supporting the main body and the display part relatively to each other. The first rotary part maintains a fixed angular relationship between the main body and the connection part and permits adjustment of the angle therebetween when a first rotary manipulation force is applied therebetween which exceeds a rotary manipulation force due to the weight of the main body itself. The second rotary part maintains a fixed angular relationship between the main body and the connection part and permits adjustment of the angle between the display part and the connector when a second rotary manipulation force is applied therebetween which exceeds a rotary manipulation force due to the weight of the main body itself.

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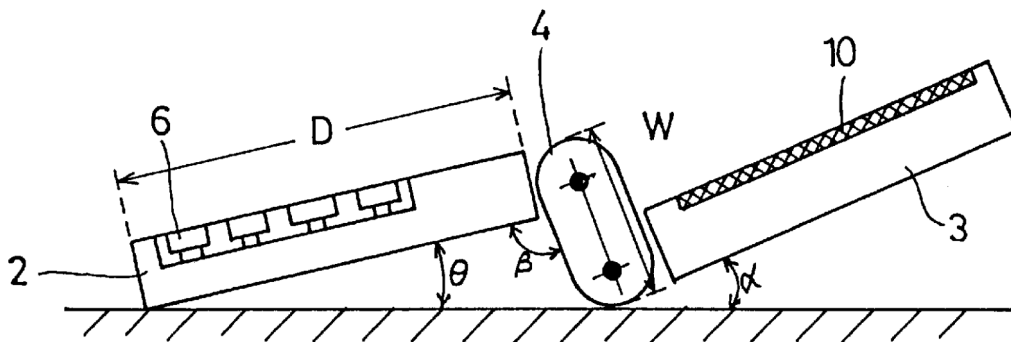
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23 Claims, 9 Drawing Sheets

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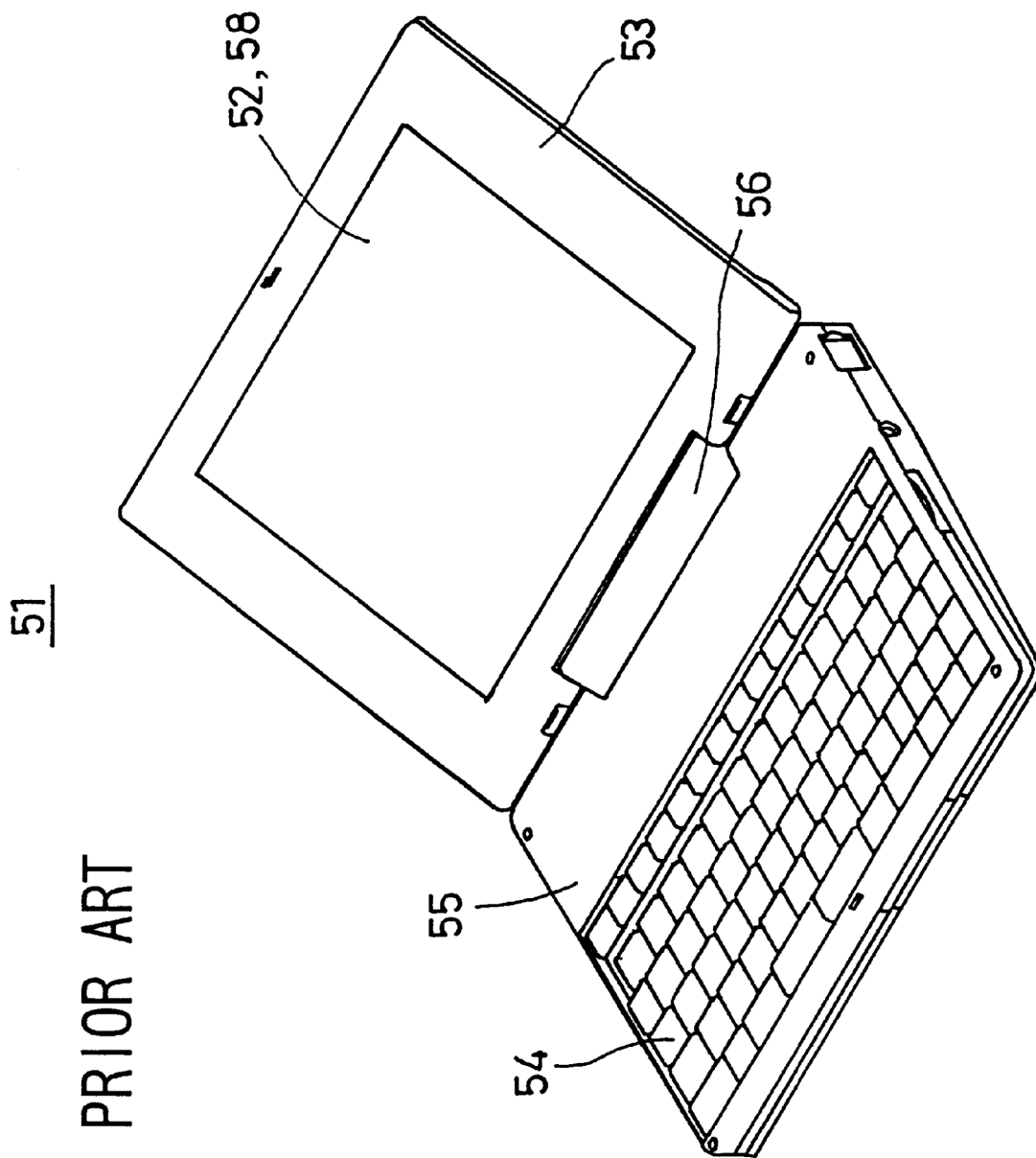


FIG. 2 PRIOR ART

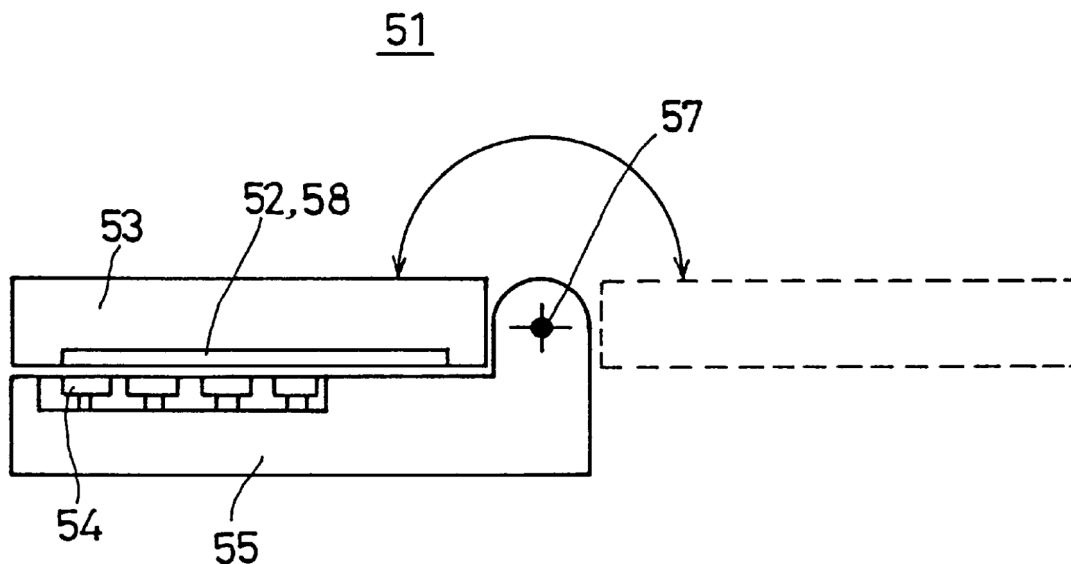
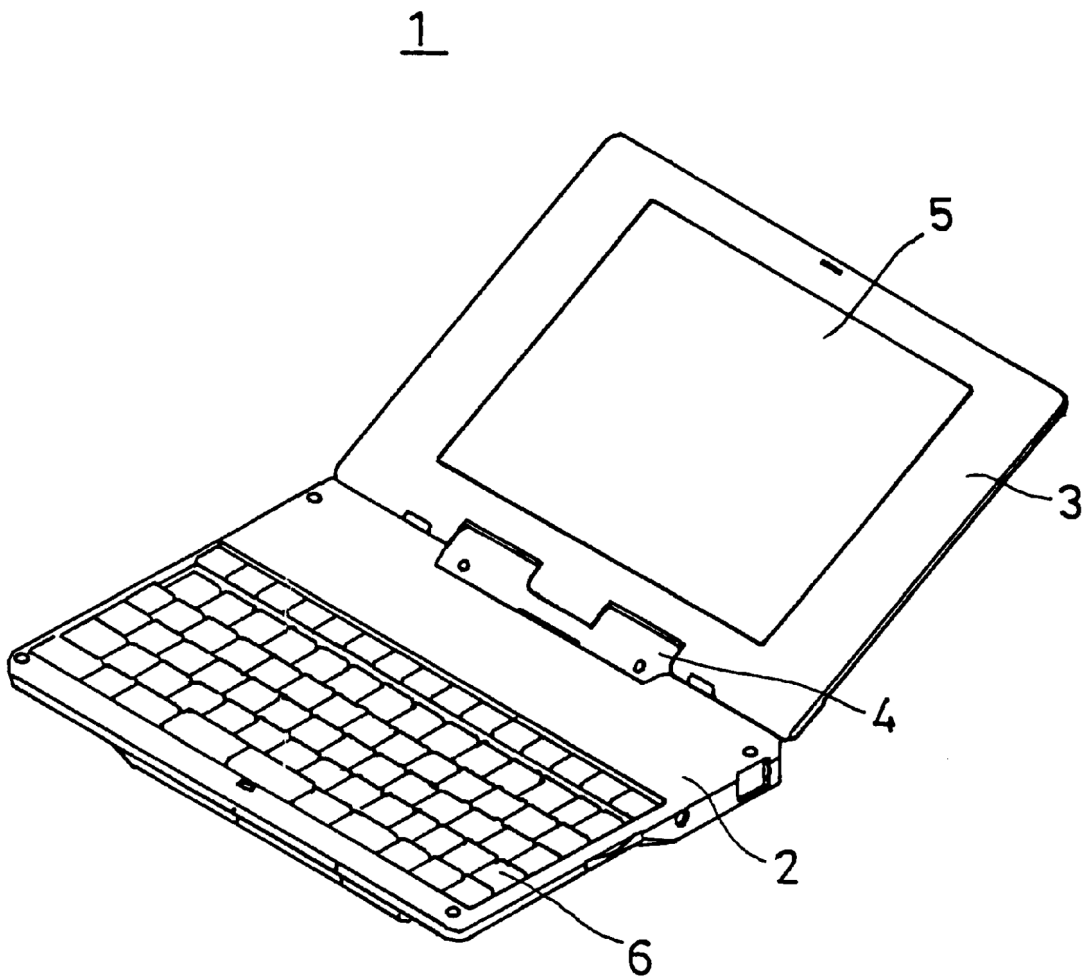


FIG. 3



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