



US 20060232564A1

(19) **United States**

(12) **Patent Application Publication**
Nishimura et al.

(10) **Pub. No.: US 2006/0232564 A1**

(43) **Pub. Date: Oct. 19, 2006**

(54) **ELECTRONIC APPARATUS**

(52) **U.S. Cl. 345/173**

(75) Inventors: **Hideki Nishimura**, Kawasaki-shi (JP);
Syunichi Yamashita, Kawasaki-shi (JP)

Correspondence Address:
SUGHRUE MION, PLLC
2100 PENNSYLVANIA AVENUE, N.W.
SUITE 800
WASHINGTON, DC 20037 (US)

(57) **ABSTRACT**

(73) Assignee: **NEC INFRONTIA CORPORATION**

In an electronic apparatus having a touch panel and a chassis for supporting the touch panel, pair of fixing cushions are fixed to the touch panel along edges, which are parallel to each other, of the touch panel. Pair of vibration absorbing cushions are fixed to the chassis parallel to each other. A fixing frame is disposed between the touch panel and the chassis and fixed to the fixing cushions and the vibration absorbing cushions. Thus, the touch panel is supported against the chassis by the fixing cushions, the fixing frame and the vibration absorbing cushions. When the touch panel vibrates, the vibration absorbing cushions prevent transmission of the vibration from the touch panel to the chassis through fixing cushions and the fixing frame. Accordingly, the vibration of the touch panel hardly exercises a harmful influence on components mounted on the chassis.

(21) Appl. No.: **11/344,065**

(22) Filed: **Feb. 1, 2006**

(30) **Foreign Application Priority Data**

Feb. 4, 2005 (JP) 2005-28505

Publication Classification

(51) **Int. Cl.**
G09G 5/00 (2006.01)

