

Title (en)  
SLIDE MOUNTED ANTENNA

Title (de)  
AUF EINE SCHIEBEABDECKUNG MONTIERTE ANTENNE

Title (fr)  
ANTENNE MONTEE COULISSANTE

Publication  
**EP 1177598 A1 20020206 (EN)**

Application  
**EP 00932100 A 20000504**

Priority  
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Abstract (en)  
[origin: WO0067342A1] A structure and method for minimizing adverse effects on the performance characteristics of an antenna in a wireless communications device caused by user interference. An electrically symmetrical microstrip antenna (208) is positioned internal to the body of the wireless device (202). When the device is closed (in a passive state) the antenna (208) is connected to the transceiver at one of the electrically symmetrical ends (210). When the device (202) is opened and more likely to be subject to user interference due to proximity of the hand or body to the device, the antenna (208) is connected to the transceiver at the other electrically symmetrical end (212). Shifting the connection point of the antenna (208) allows the antenna to be relocated to a position that is less likely to be subject to adverse effects caused by body proximity. In another embodiment, two microstrip antennas (302) and (308) are positioned at opposite ends, and internal to, the casing of the wireless device (202). An antenna switch (306) is used to control which antenna is connected to the transceiver unit at any given time. When the device (202) is closed, the switch can connect the antenna with the better signal (usually the antenna closest to the transceiver (308) to the transceiver (218). When the device is opened, the switch can connect the antenna least affected by user interference (302) to the transceiver unit (218).

IPC 1-7  
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