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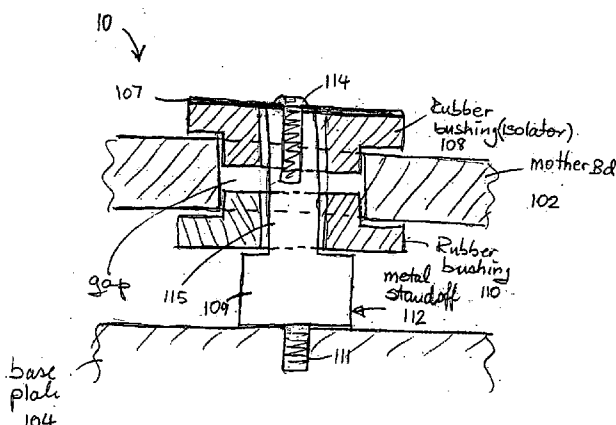
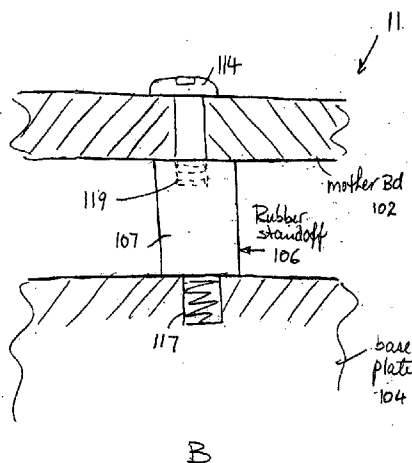
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(54) Title: MICROPHONICS SUPPRESSION IN HIGH-SPEED COMMUNICATIONS SYSTEMS



(57) Abstract: One design aspect in electronic systems, such as communication systems, is noise suppression. More particularly, this relates to microphonics suppression in high-speed communication systems, such as microwave wireless radio systems. The present invention contemplates system design for substantially eliminating microphonic behavior created by mechanical stimulus such as vibrations and the drum effect. A preferred approach includes isolating the motherboard from its mounting harnesses (mechanical interconnection) and adding an echo damping and shock absorption pad to the underside of the enclosure cover to stiffen the enclosure cover while maintaining its light weight. Preferably also, this approach isolates the entire motherboard rather than a particular component. A design using this approach is particularly useful in an outdoor unit (ODU) of a split-mount microwave radio system.

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