

Claims

1. A mouse for communication with a processor-based device, the mouse comprising:
 - a housing having a base portion;
 - a layer of metal coupled to a flat section of the base portion;
 - a plurality of mouse foot protrusions integrally molded with the housing and forming a portion of the base portion, the plurality of mouse foot protrusions protruding away from an exterior surface of the flat section of the base portion of the housing,
 - wherein the base portion is made of plastic material,
 - wherein the layer of metal is connected to an electric reference potential to cause the base portion to prevent a build up of static electricity in a manner so as to provide an anti-static property to the base portion for preventing or reducing accumulation of dust at the plurality of mouse foot protrusions due to static charges.
2. The mouse as claimed in claim 1, wherein the electric reference potential is an electric ground potential.
3. The mouse as claimed in claim 1, wherein the layer of metal comprises a metal coating coated on at least a portion of a surface of the flat section of the base portion directed towards the inner portion of the housing.
4. The mouse as claimed in claim 1, wherein the layer of metal comprises a metal plate embedded in at least a portion of the flat section of the base portion directed towards the inner portion of the housing.
5. The mouse as claimed in claim 4, wherein the metal plate is perforated.
6. The mouse as claimed in claim 1, wherein at least one of the plurality of mouse foot protrusions comprises a curved cross-sectional profile or a rounded apex.
7. The mouse as claimed in claim 1, wherein at least one of the plurality of mouse foot protrusions comprises a rounded concave edge between a root of the

respective mouse foot protrusion and an exterior surface of the base portion from which the respective mouse foot protrusion is projected.

8. The mouse as claimed in claim 1, wherein the plurality of mouse foot protrusions are made of self-lubricating material.
9. The mouse as claimed in claim 8, wherein the self-lubricating material comprises at least one of acetal or polyoxymethylene.
10. The mouse as claimed in claim 8, wherein the material of the plurality of mouse foot protrusions comprises an additive.
11. The mouse as claimed in claim 10, wherein the additive comprises a polytetrafluoroethylene powder.
12. The mouse as claimed in claim 10, wherein the amount of additive is about 20 wt% of the material.