22. The system of claim **21**, wherein:
at least a second surface formed on a bottom side of the cymbal shaped object opposite to the top side; and
the plurality of capacitance sensors includes at least one capacitance sensor coupled to the second surface.
23. The system of claim **20**, wherein:
the at least first surface is formed on a top side of a drum shaped object.
24. The system of claim **20**, wherein:
the at least first surface is removable from and attachable to a percussion instrument shaped object.
25. The system of claim **20**, wherein:
the at least first surface is formed in a standable structure in a position alignable to be struck by a hammer of a bass drum foot pedal, the at least first surface being smaller than bass drum membrane area.
26. A percussion instrument system, comprising:
a playing surface configured to receive percussive events that includes a plurality of capacitance sensors; and
a controller section coupled to the playing surface that includes
a plurality of switches for selectively connecting each capacitance sensor to a sense node, and
an encoder section that generates a position value for a sensed input event that varies according to at least which capacitance sensor detects the input event.
27. The system of claim **26**, wherein:
the playing surface comprises a capacitance sensing layer that includes the capacitance sensors and an absorbing layer formed of a resilient material for absorbing mechanical energy from received percussive events.
28. The system of claim **26**, wherein:
the playing surface can be removably fixed onto a surface of an acoustic percussion instrument.
29. The system of claim **26**, wherein:
the playing surface includes a flexible edge portion configured to compressively attach to outer edges of an acoustic percussion instrument.

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