FIG.8

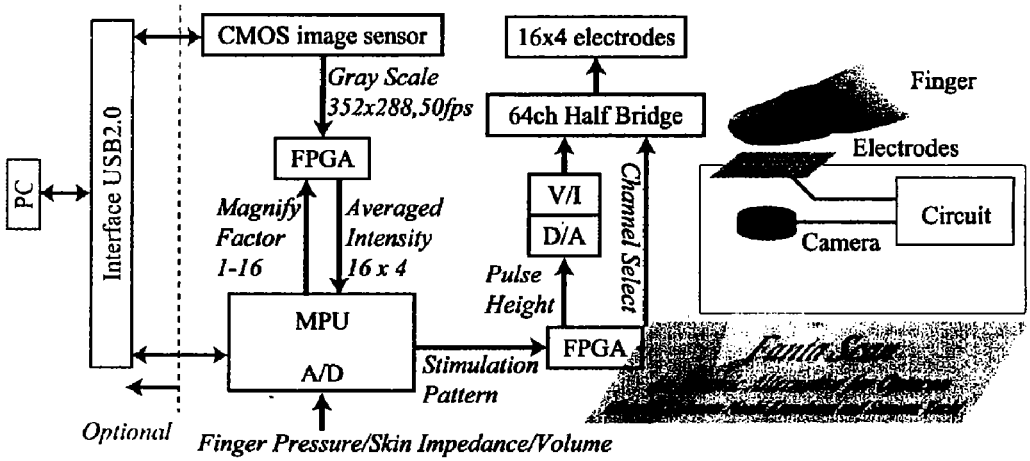
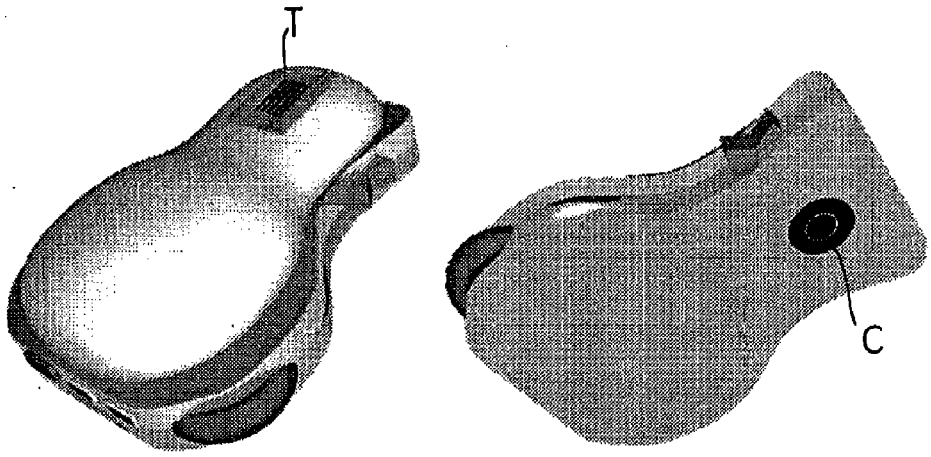

PC
Interface USB2.0
CMOS image sensor
Gray Scale
352x288,50fps
FPGA
Magnify
Factor
1-16
Averaged
Intensity
16 x 4
MPU
A/D
Optional
Finger Pressure/Skin Impedance/Volume
Stimulation
Pattern
16x4 electrodes
64ch Half Bridge
V/I
D/A
Pulse
Height
Channel Select
FPGA
Finger
Electrodes
Circuit
Camera

FIG.9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