FIG.1A

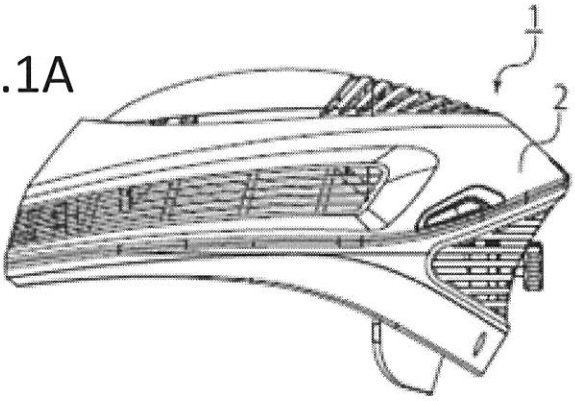


FIG.1B

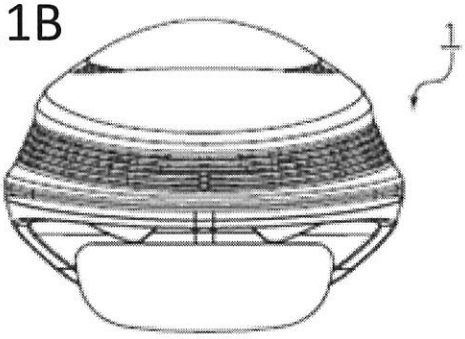


FIG.1C

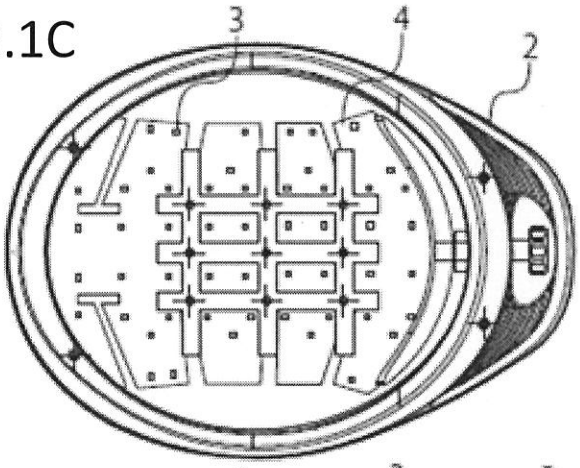


FIG.1D

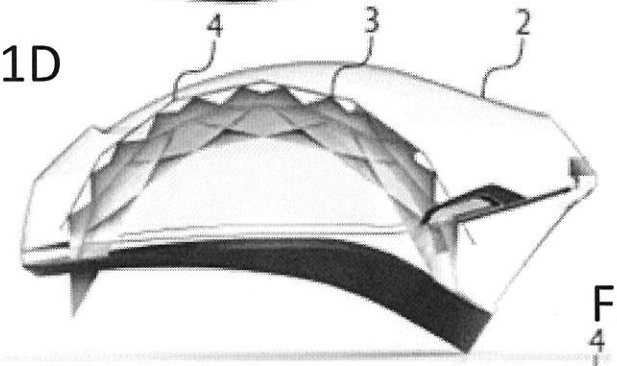


FIG.1E

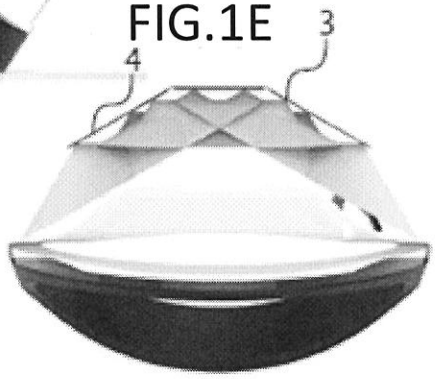


FIG.1F

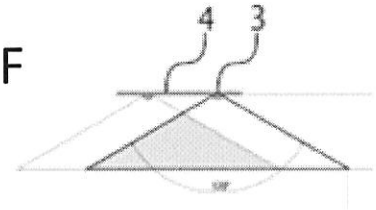


FIG.2A

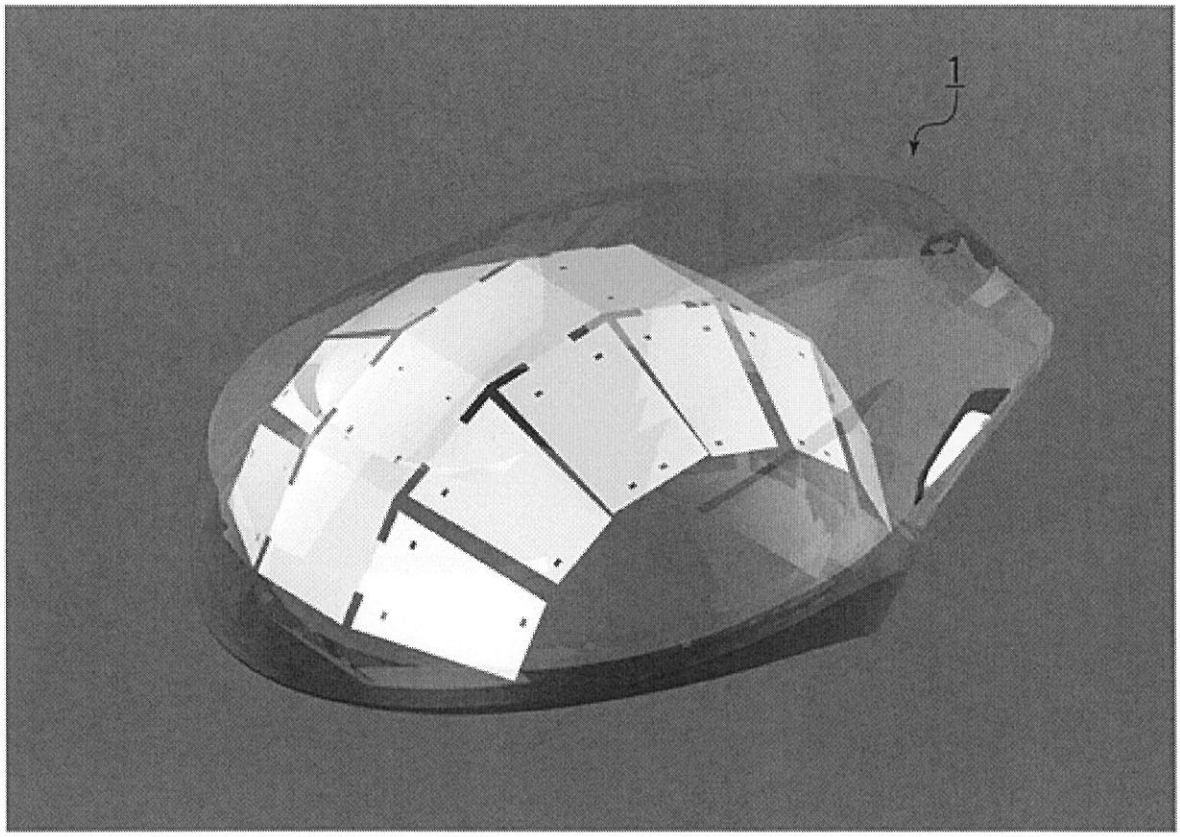


FIG.2B

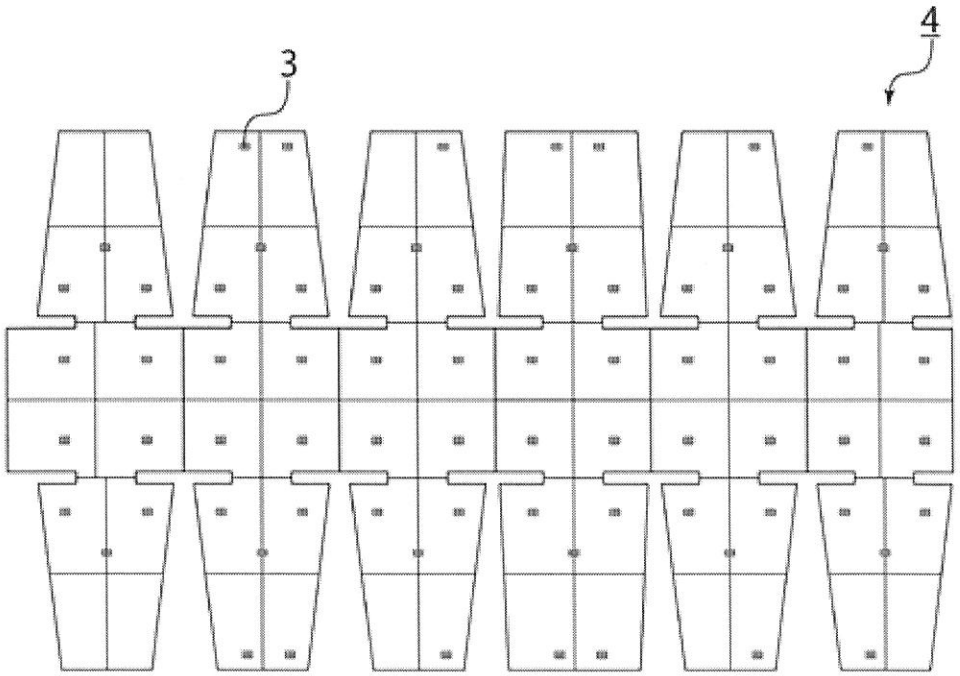


FIG.3

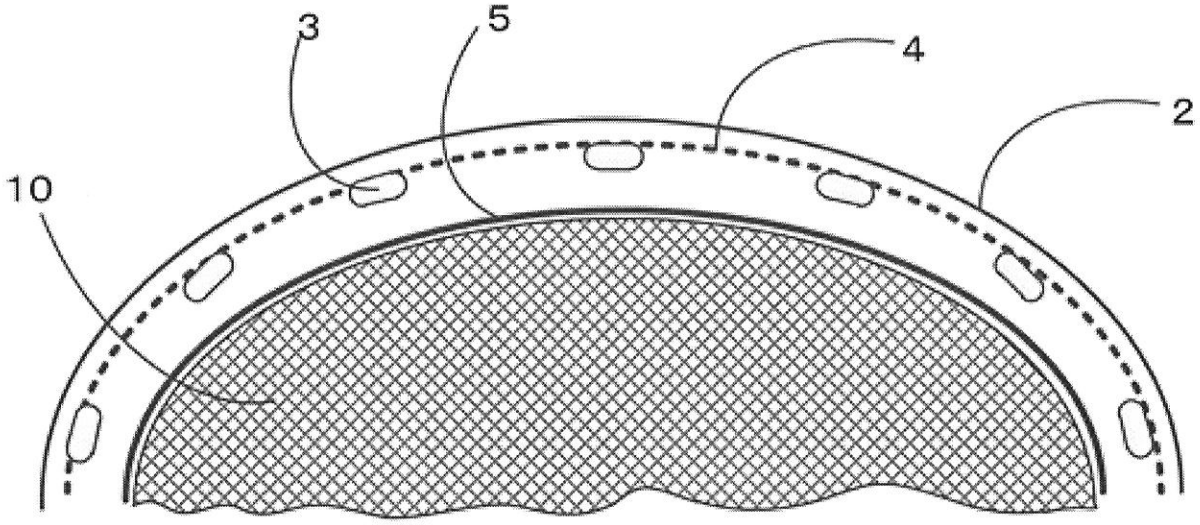


FIG.4A

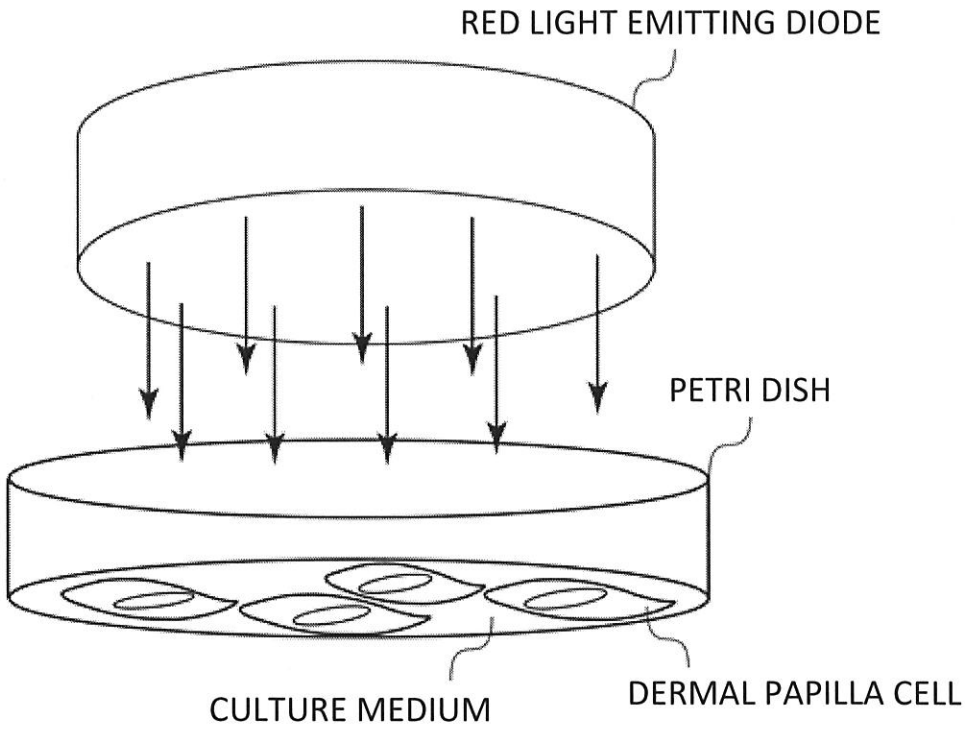

RED LIGHT EMITTING DIODE
PETRI DISH
CULTURE MEDIUM
DERMAL PAPILLA CELL

FIG.4B

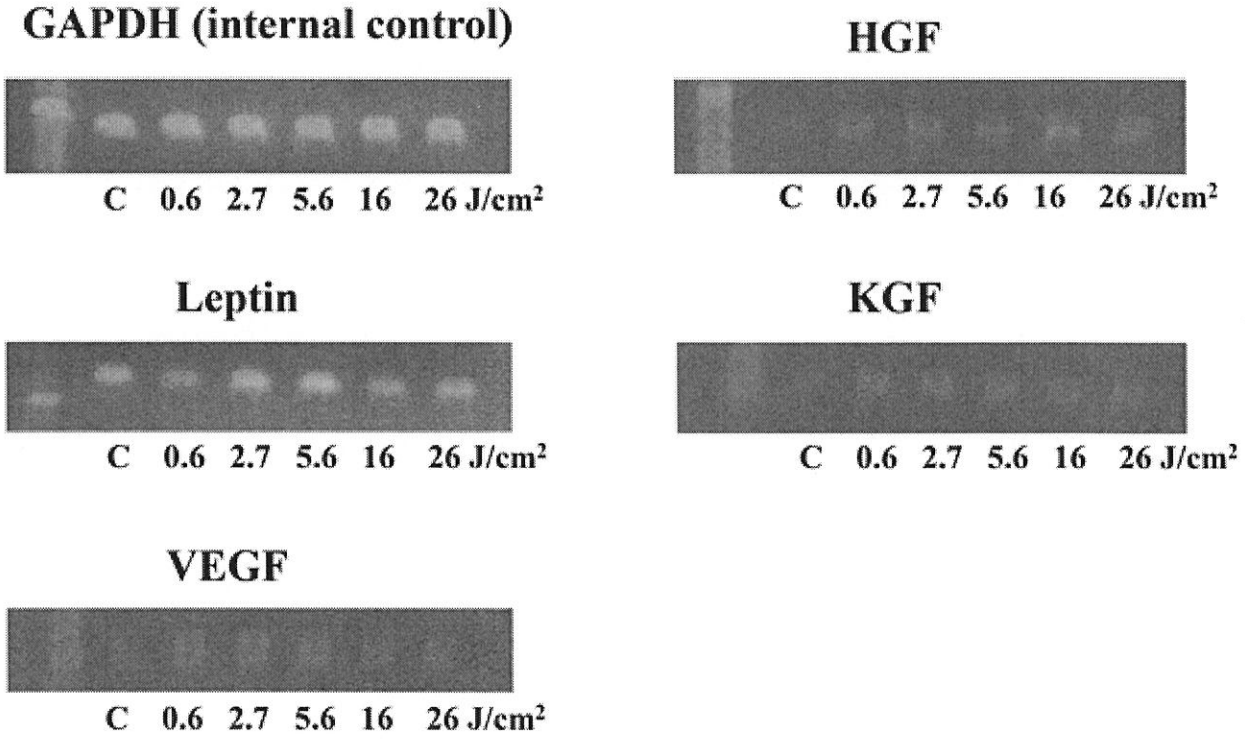
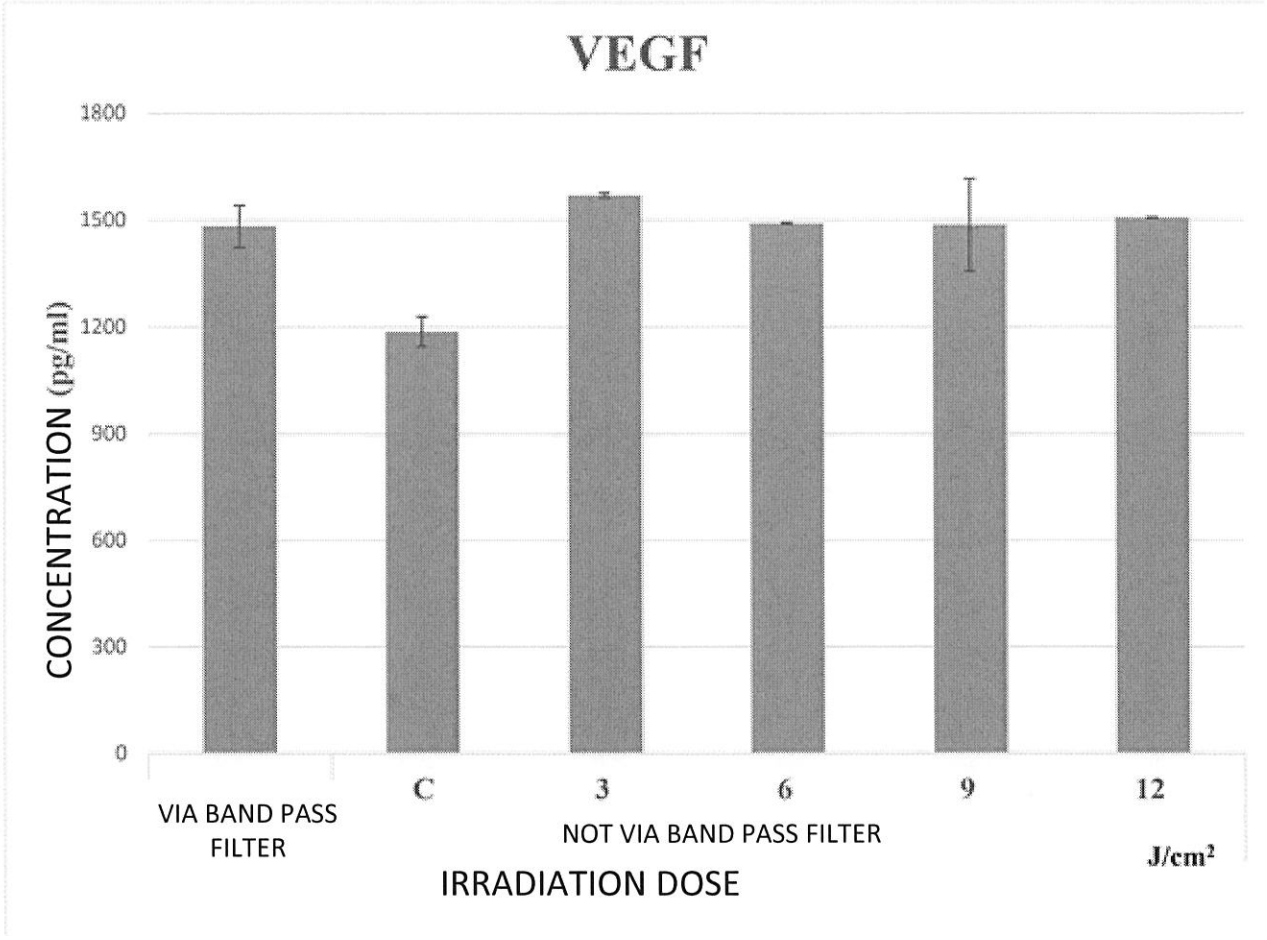

GAPDH (internal control)
C 0.6 2.7 5.6 16 26 J/cm²
HGF
C 0.6 2.7 5.6 16 26 J/cm²
Leptin
C 0.6 2.7 5.6 16 26 J/cm²
KGF
C 0.6 2.7 5.6 16 26 J/cm²
VEGF
C 0.6 2.7 5.6 16 26 J/cm²

FIG.5


VEGF
1800
1500
1200
900
600
300
0
CONCENTRATION (pg/ml)
C
3
6
9
12
VIA BAND PASS FILTER
NOT VIA BAND PASS FILTER
J/cm²
IRRADIATION DOSE