

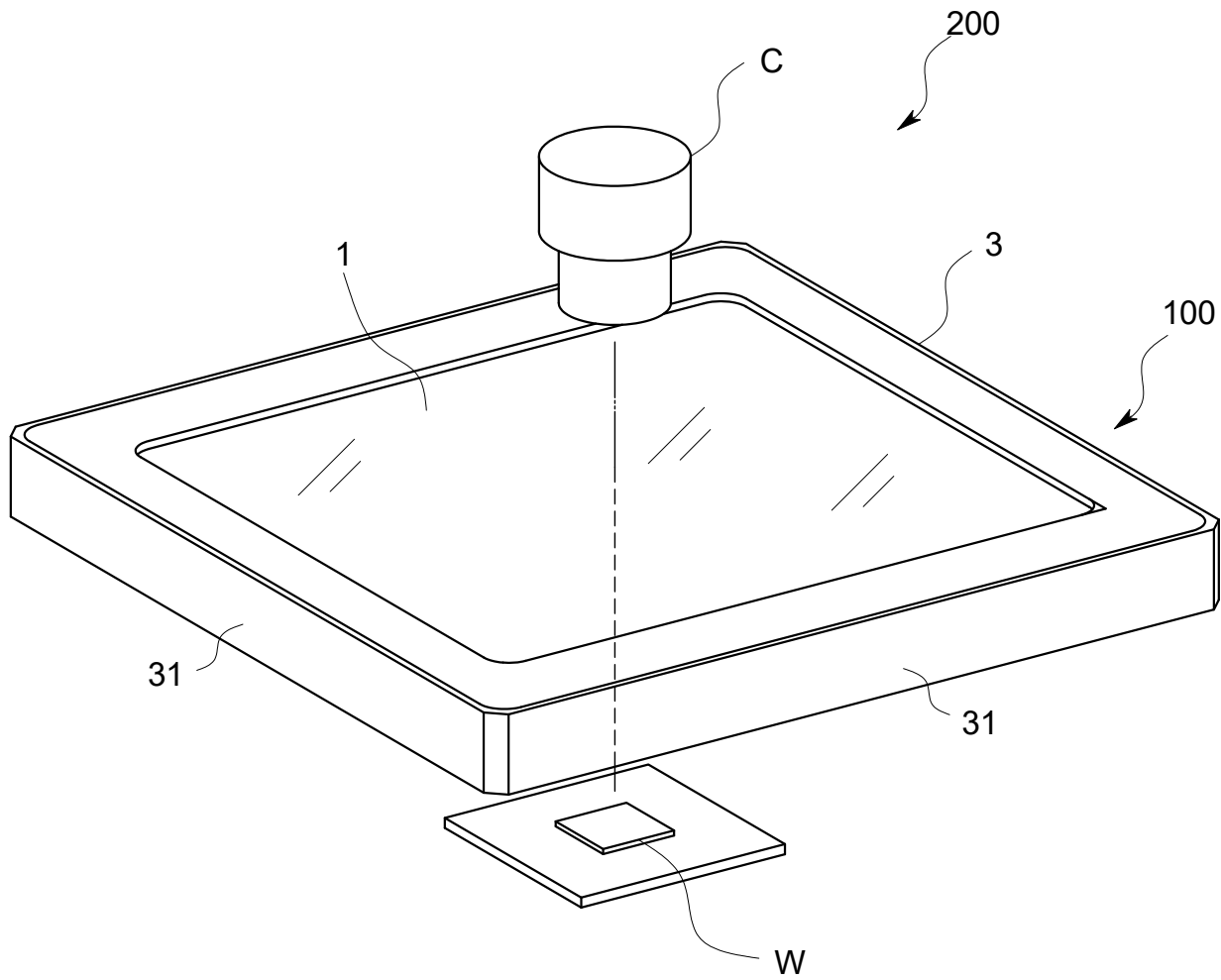


FIG.1

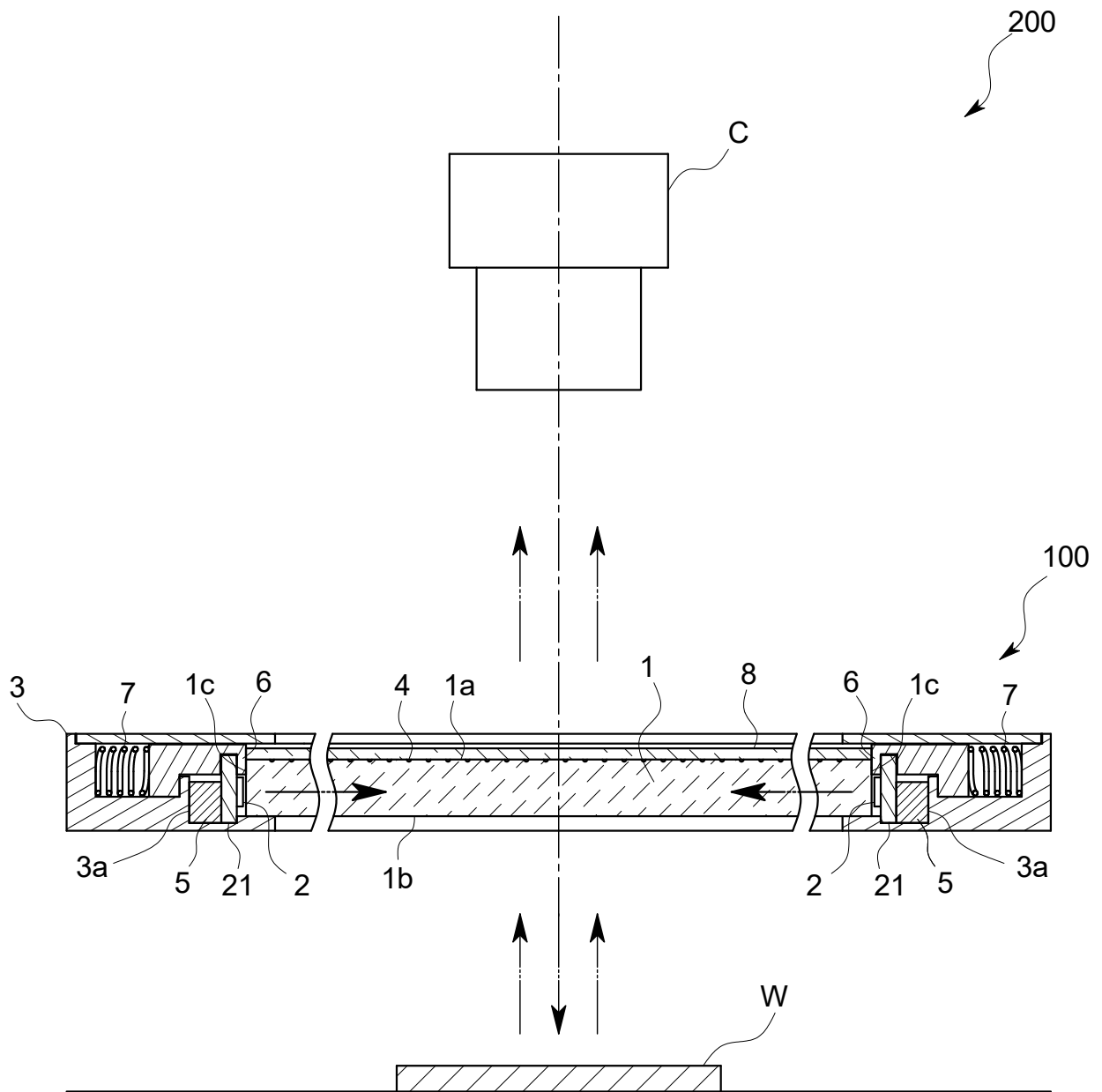


FIG.2

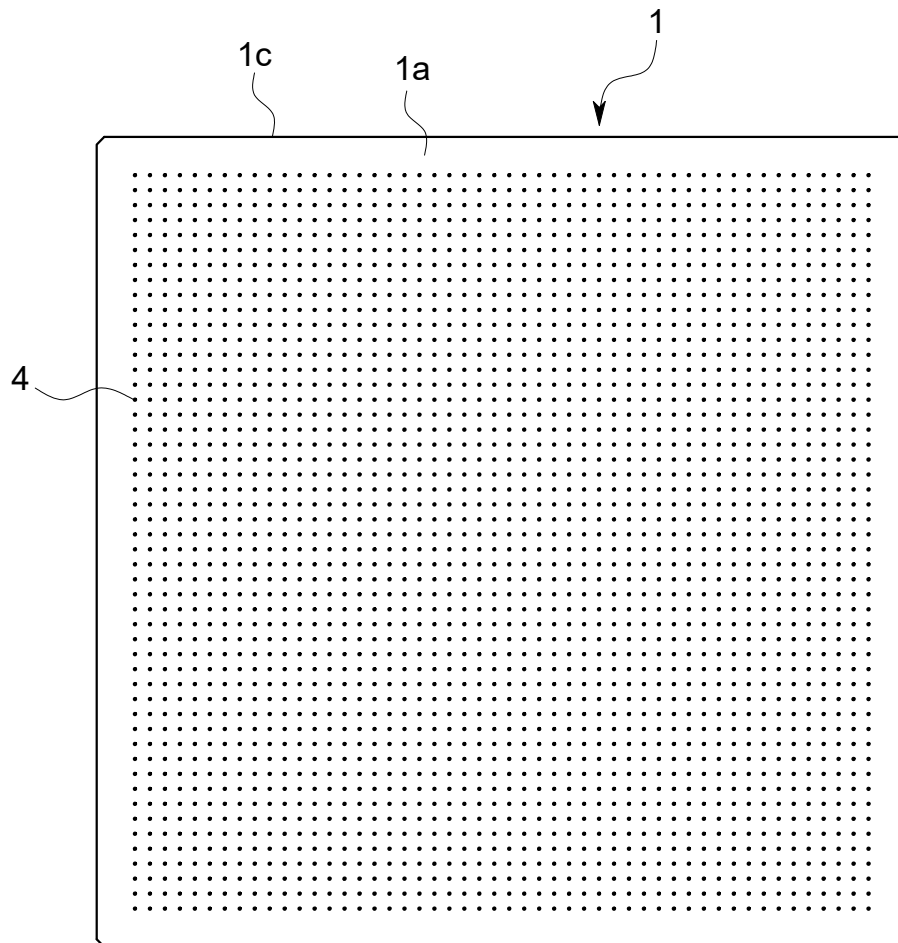


FIG.3

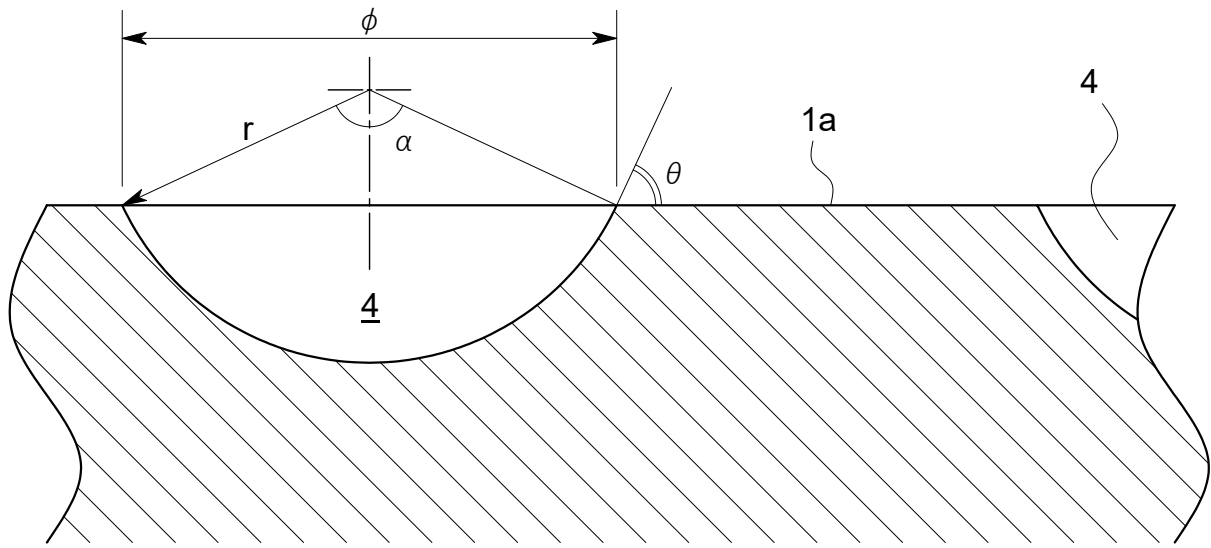


FIG.4

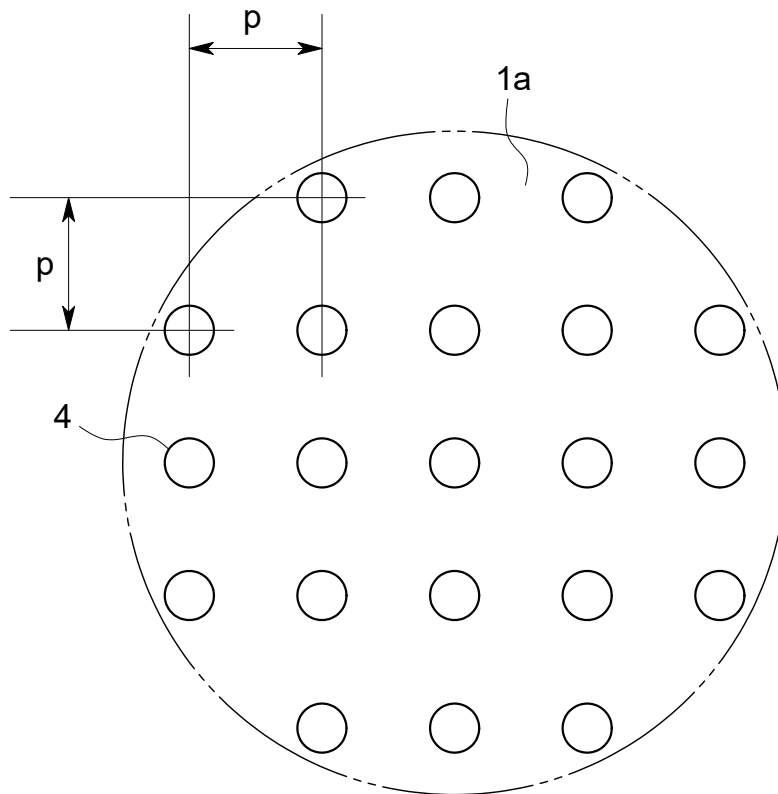
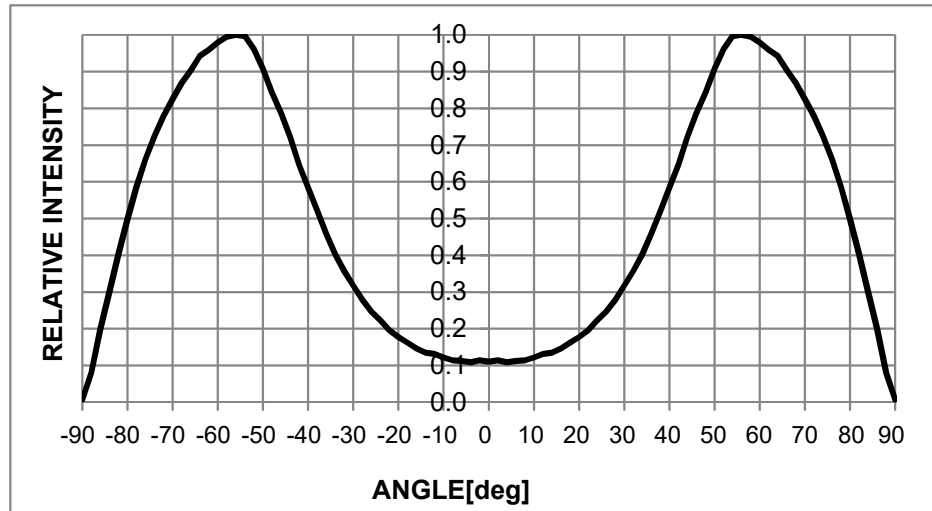


FIG.5

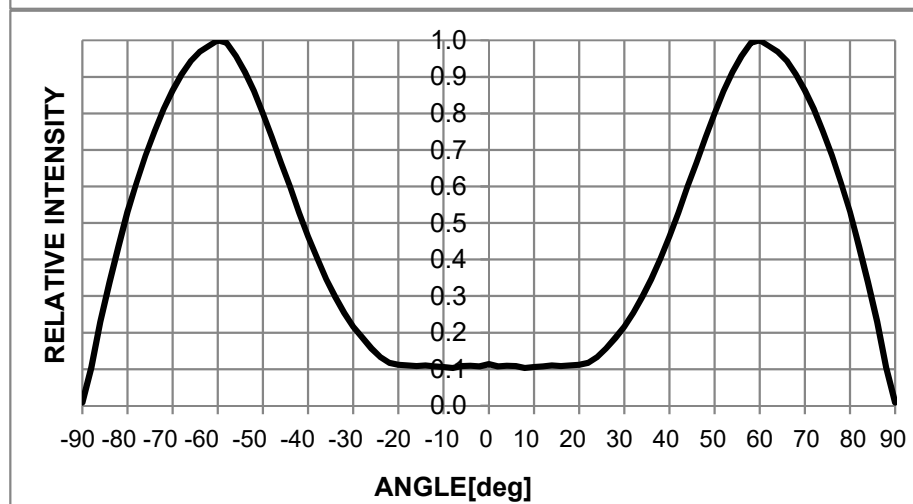
■ CONDITION

PITCH : 2.5x
CURVATURE : 0.025mm
THICKNESS : 5mm
MATERIAL : PMMA

TANGENTIAL ANGLE : 90°



TANGENTIAL ANGLE : 75°



TANGENTIAL ANGLE : 72.2°

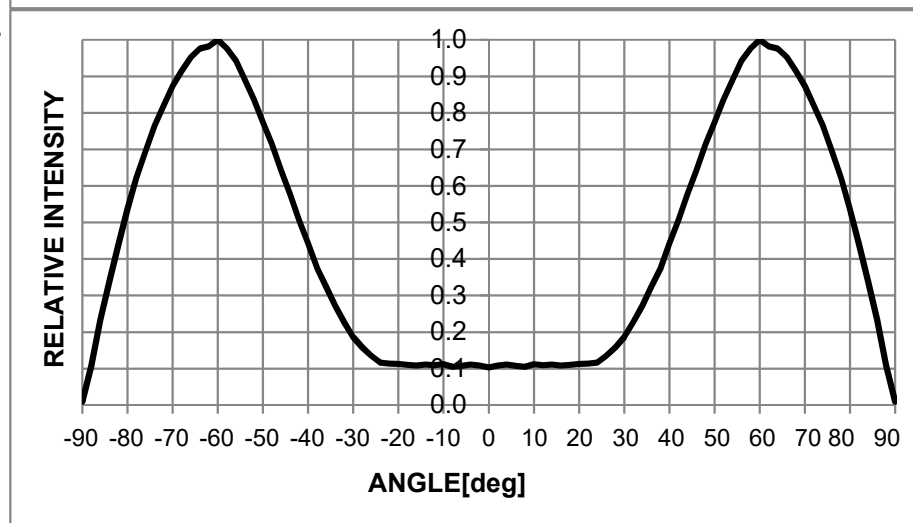
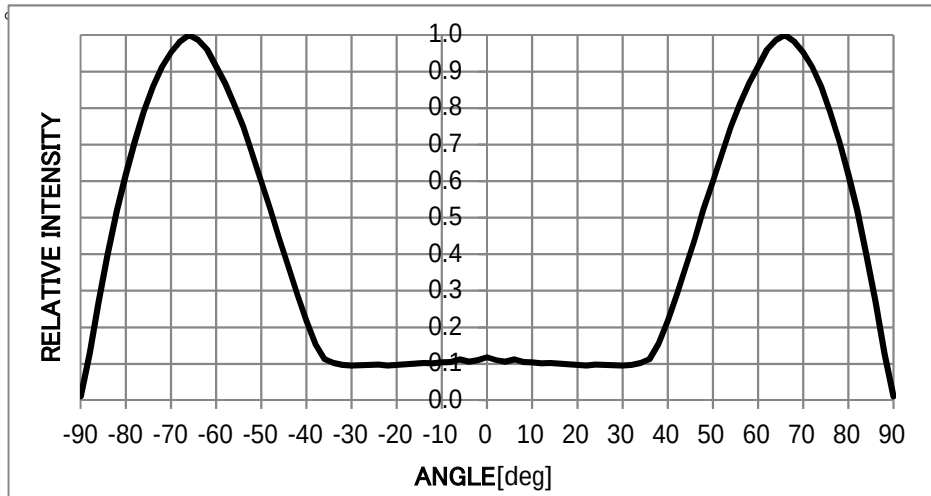
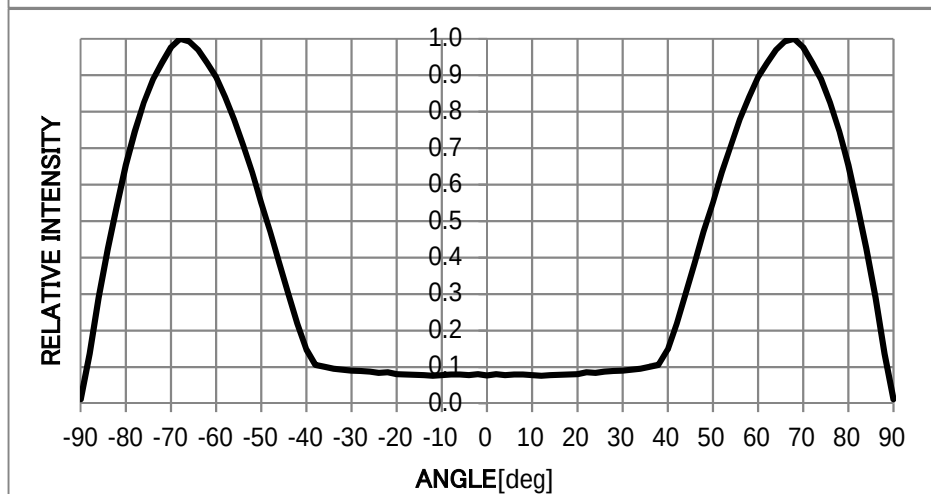


FIG.6

TANGENTIAL ANGLE : 55 °



TANGENTIAL ANGLE : 50 °



TANGENTIAL ANGLE : 45 °

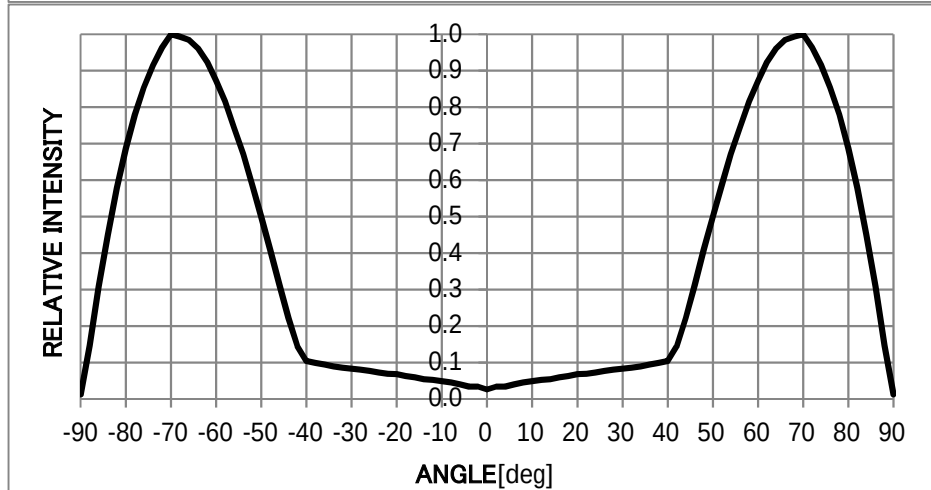
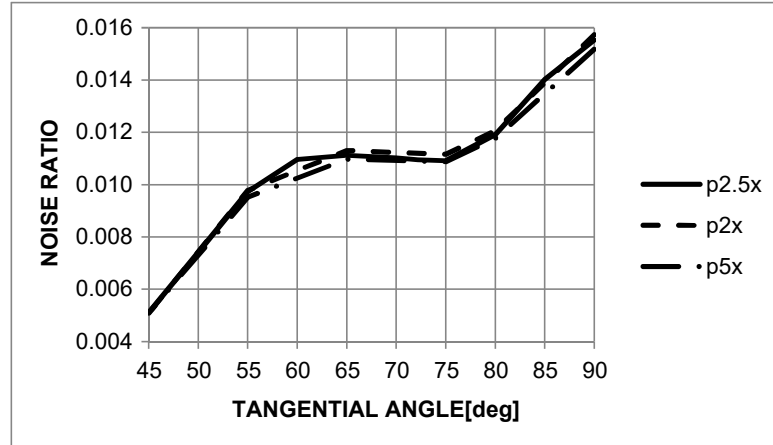


FIG.7

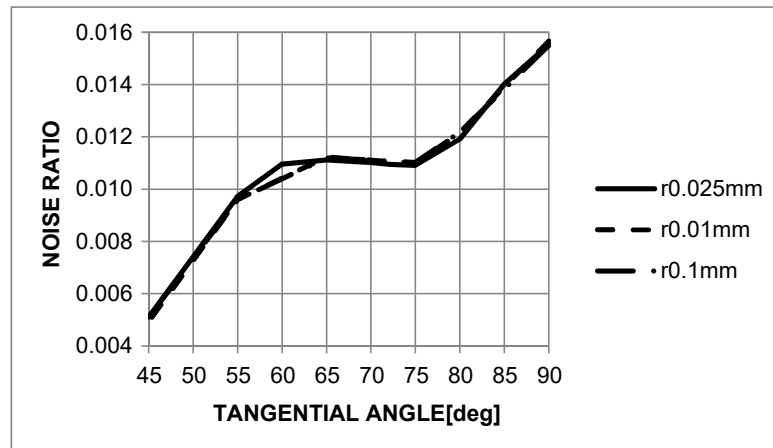
CONDITION

PITCH: 2x, 2.5x, 5x
 CURVATURE: 0.025mm
 THICKNESS: 5mm
 MATERIAL: PMMA

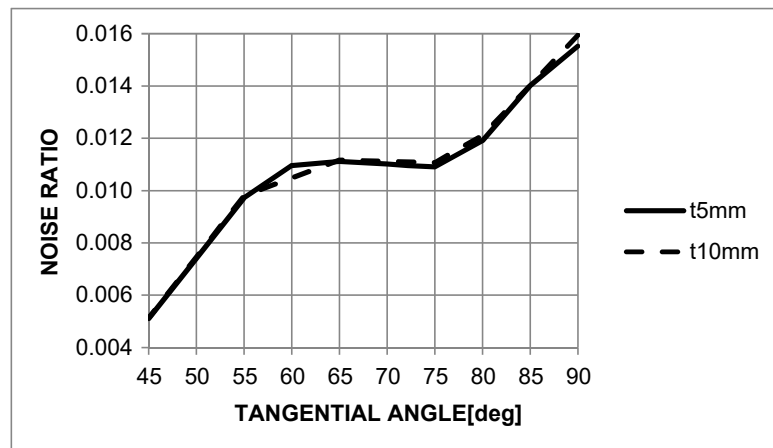
NOISE RATIO



PITCH: 2.5x
 CURVATURE: 0.01mm, 0.025mm, 0.1mm
 THICKNESS: 5mm
 MATERIAL: PMMA



PITCH: 2.5x
 CURVATURE: 0.025mm
 THICKNESS: 5mm, 10mm
 MATERIAL: PMMA



PITCH: 2.5x
 CURVATURE: 0.025mm
 THICKNESS: 5mm
 MATERIAL: PMMA, ZeonexE48R

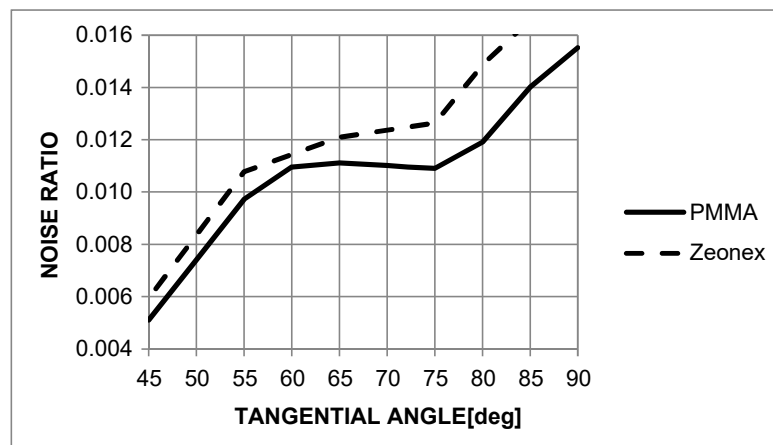
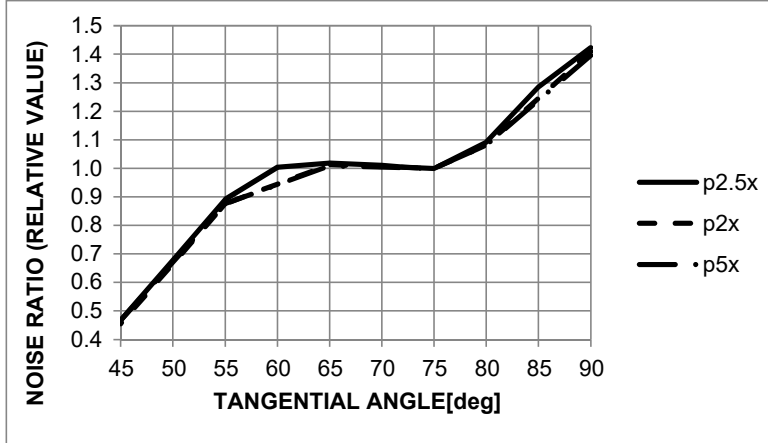


FIG.8

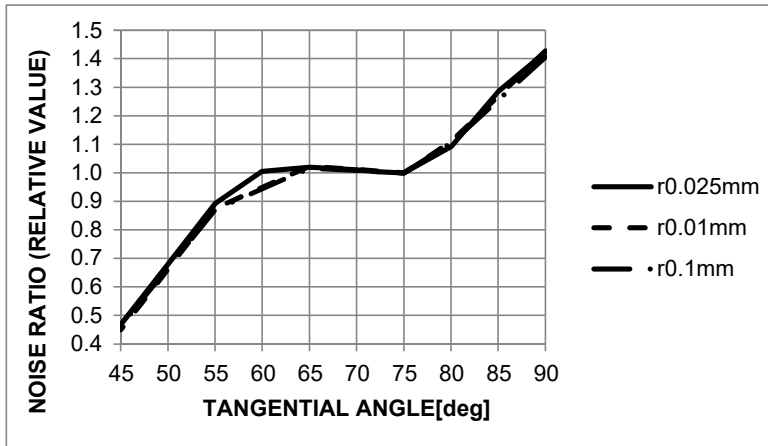
CONDITION

PITCH: 2x, 2.5x, 5x
 CURVATURE: 0.025mm
 THICKNESS: 5mm
 MATERIAL: PMMA

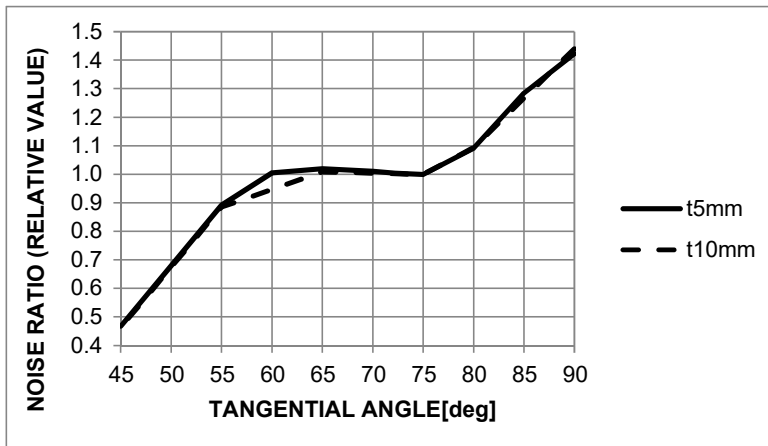
NOISE RATIO (RELATIVE VALUE)



PITCH: 2.5x
 CURVATURE: 0.01mm, 0.025mm, 0.1mm
 THICKNESS: 5mm
 MATERIAL: PMMA



PITCH: 2.5x
 CURVATURE: 0.025mm
 THICKNESS: 5mm, 10mm
 MATERIAL: PMMA



PITCH: 2.5x
 CURVATURE: 0.025mm
 THICKNESS: 5mm
 MATERIAL: PMMA, ZeonexE48R

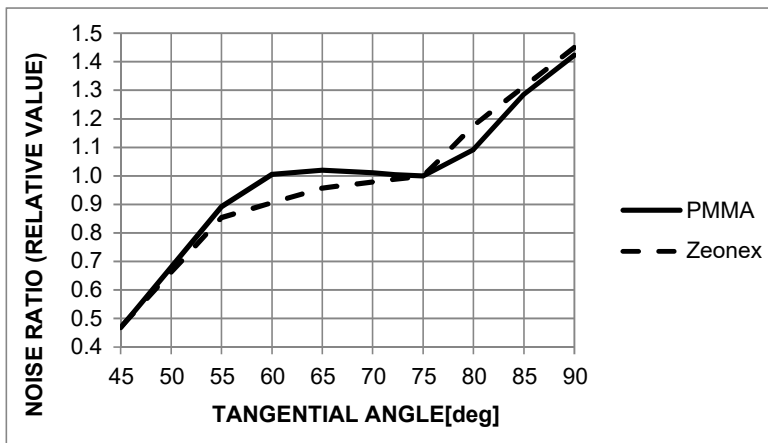
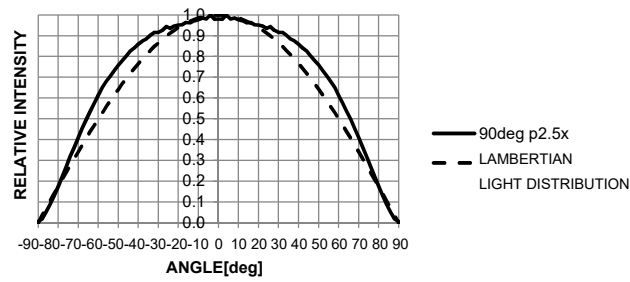


FIG.9

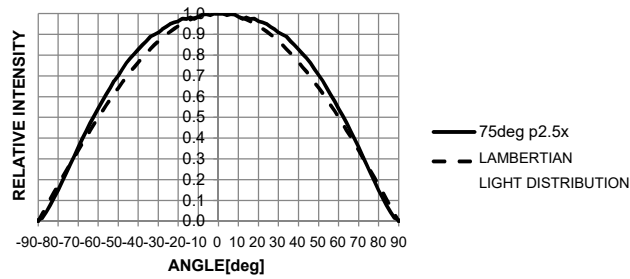
■ CONDITION

PITCH: 2.5x
 CURVATURE: 0.025mm
 THICKNESS: 5mm
 MATERIAL: PMMA

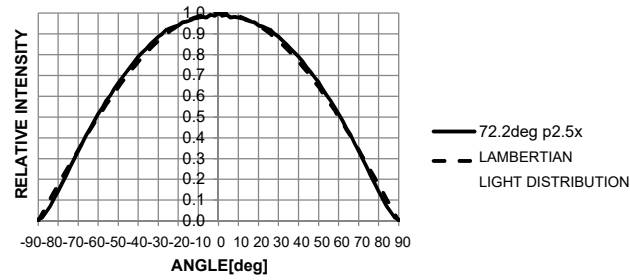
TANGENTIAL ANGLE: 90°



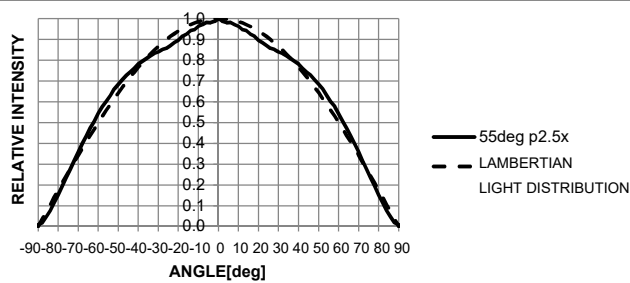
TANGENTIAL ANGLE: 75°



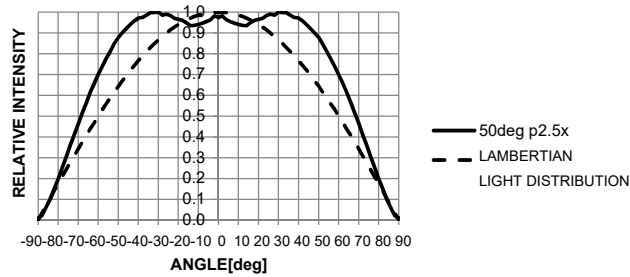
TANGENTIAL ANGLE: 72.2°



TANGENTIAL ANGLE: 55°



TANGENTIAL ANGLE: 50°



TANGENTIAL ANGLE: 45°

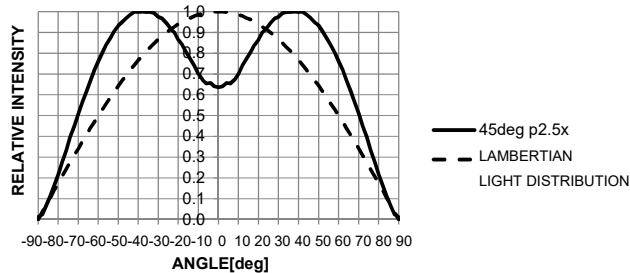
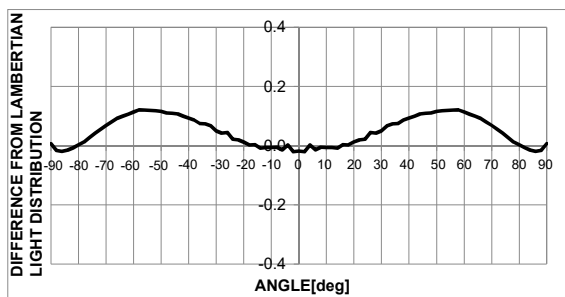


FIG.10

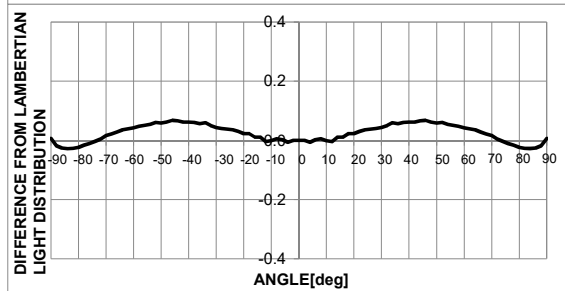
■ CONDITION

PITCH: 2.5x
 CURVATURE: 0.025mm
 THICKNESS: 5mm
 MATERIAL: PMMA

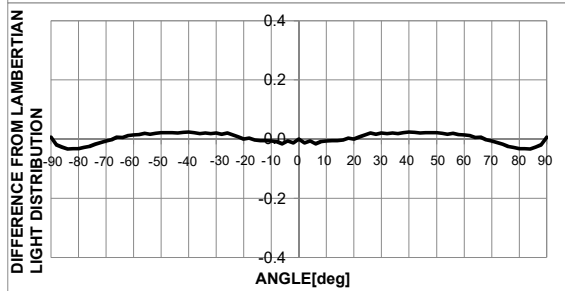
TANGENTIAL ANGLE : 90°



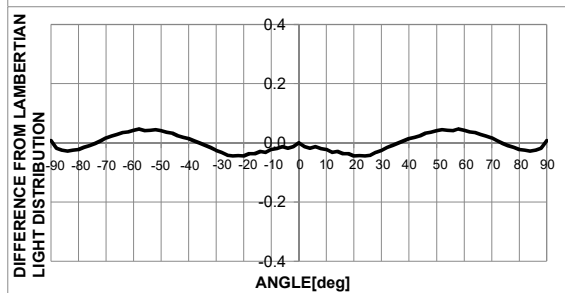
TANGENTIAL ANGLE : 75°



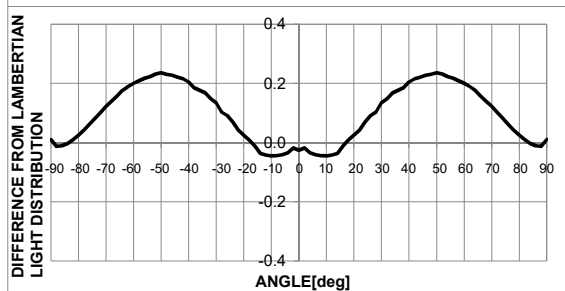
TANGENTIAL ANGLE : 72.2°



TANGENTIAL ANGLE : 55°



TANGENTIAL ANGLE : 50°



TANGENTIAL ANGLE : 45°

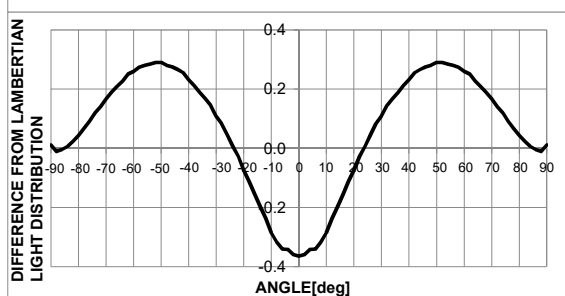
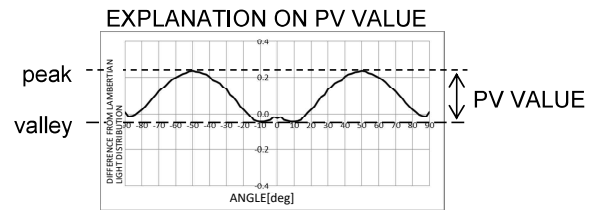


FIG.11

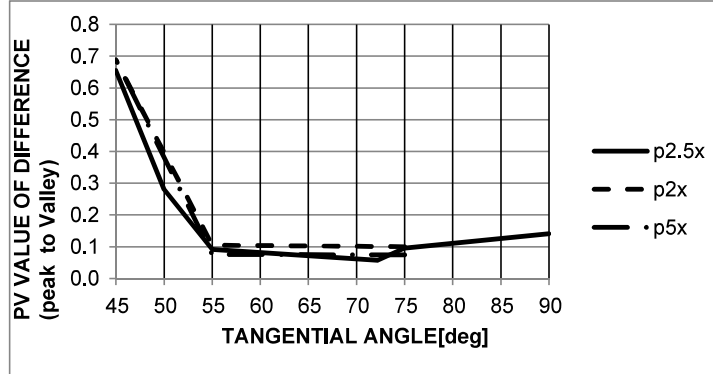
PV VALUE: PEAK TO VALLEY VALUE OF DIFFERENCE
FROM LAMBERTIAN LIGHT DISTRIBUTION



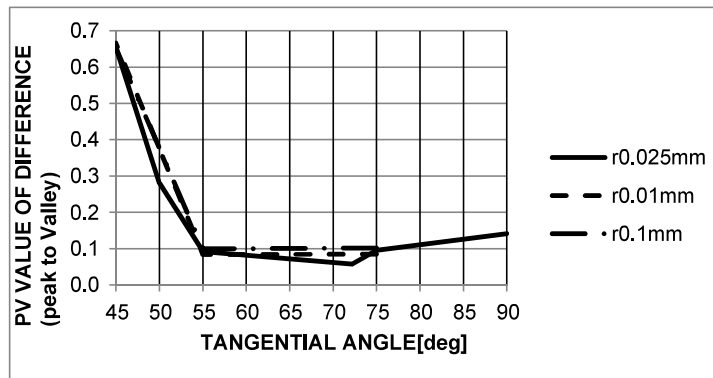
■ CONDITION

PITCH: 2x, 2.5x, 5x
CURVATURE: 0.025mm
THICKNESS: 5mm
MATERIAL: PMMA

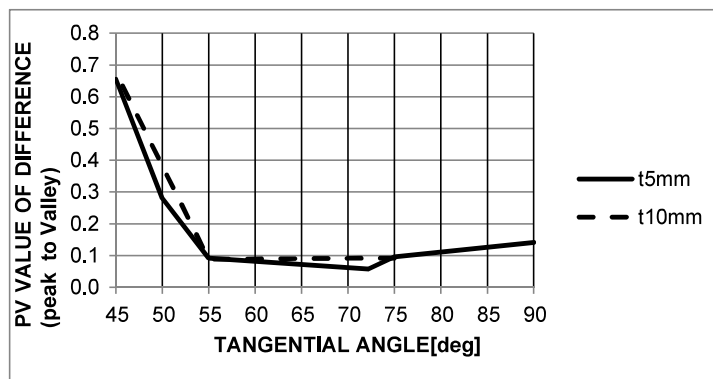
PV VALUE OF DIFFERENCE



PITCH: 2.5x
CURVATURE: 0.01mm, 0.025mm, 0.1mm
THICKNESS: 5mm
MATERIAL: PMMA



PITCH: 2.5x
CURVATURE: 0.025mm
THICKNESS: 5mm, 10mm
MATERIAL: PMMA



PITCH: 2.5x
CURVATURE: 0.025mm
THICKNESS: 5mm
MATERIAL: PMMA, ZeonexE48R

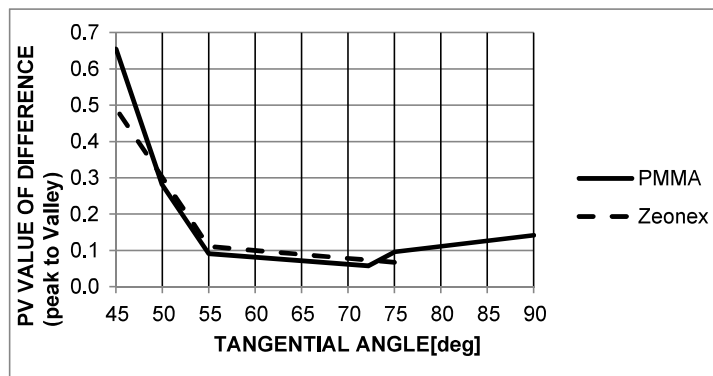


FIG.12

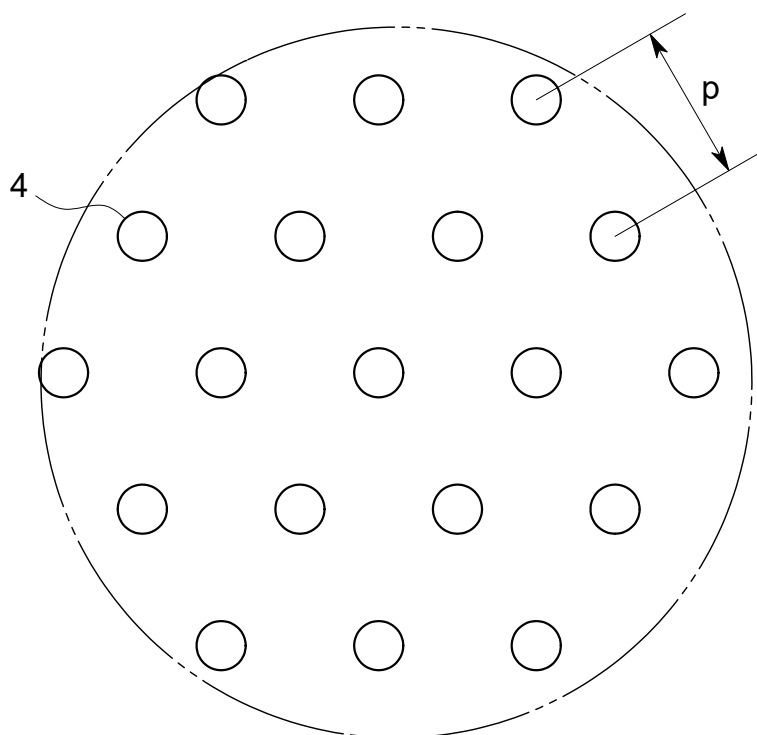


FIG.13