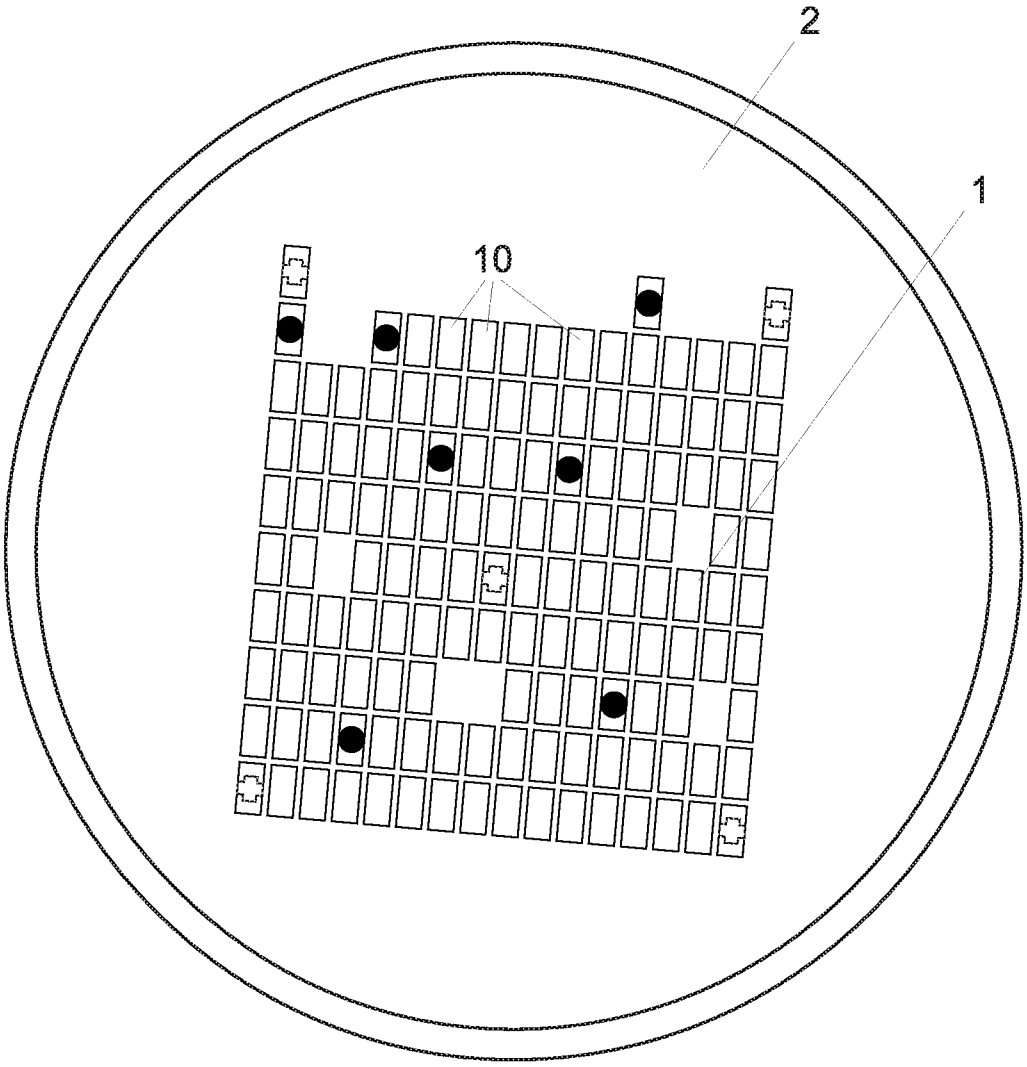


Fig. 1

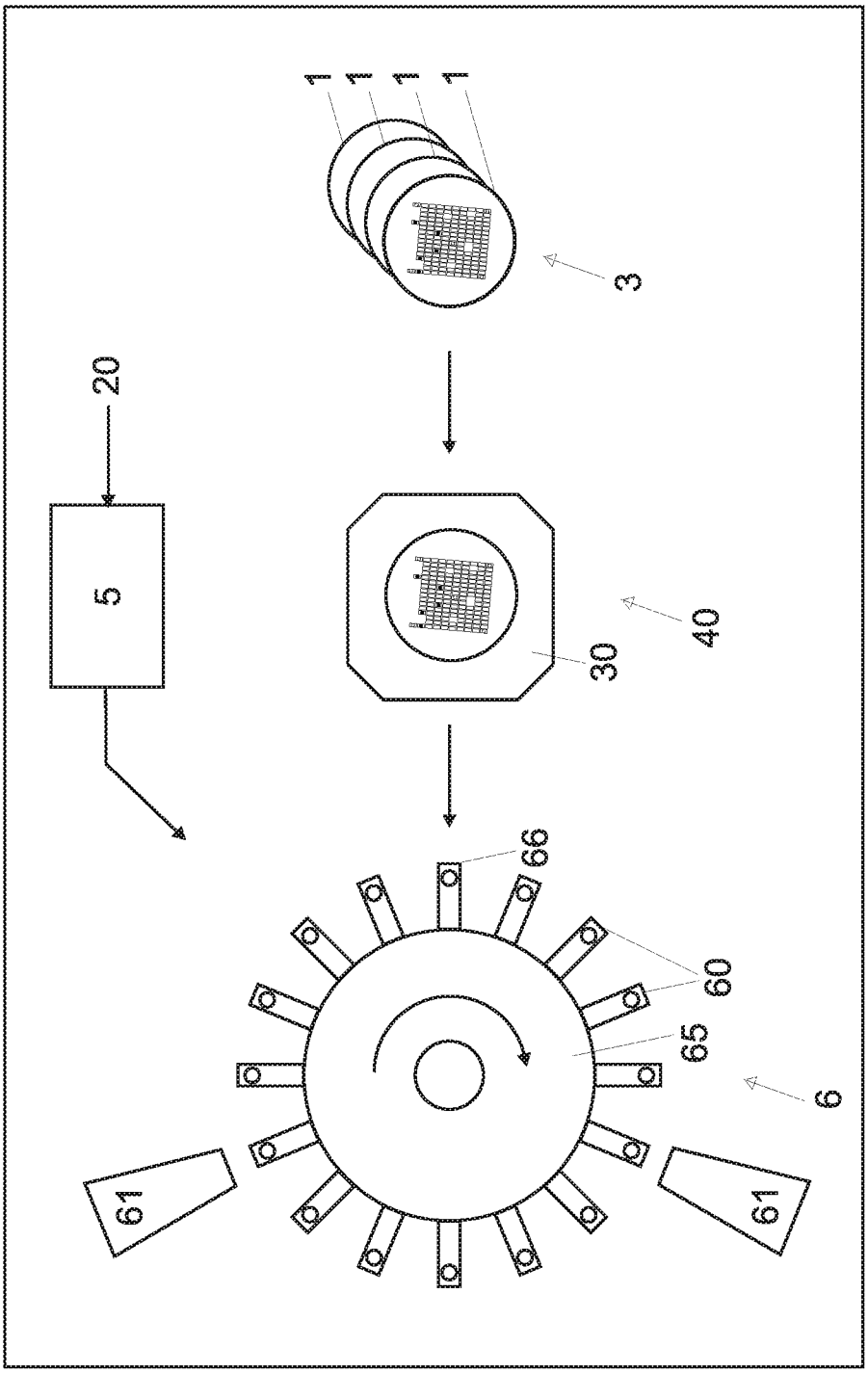


Fig. 2

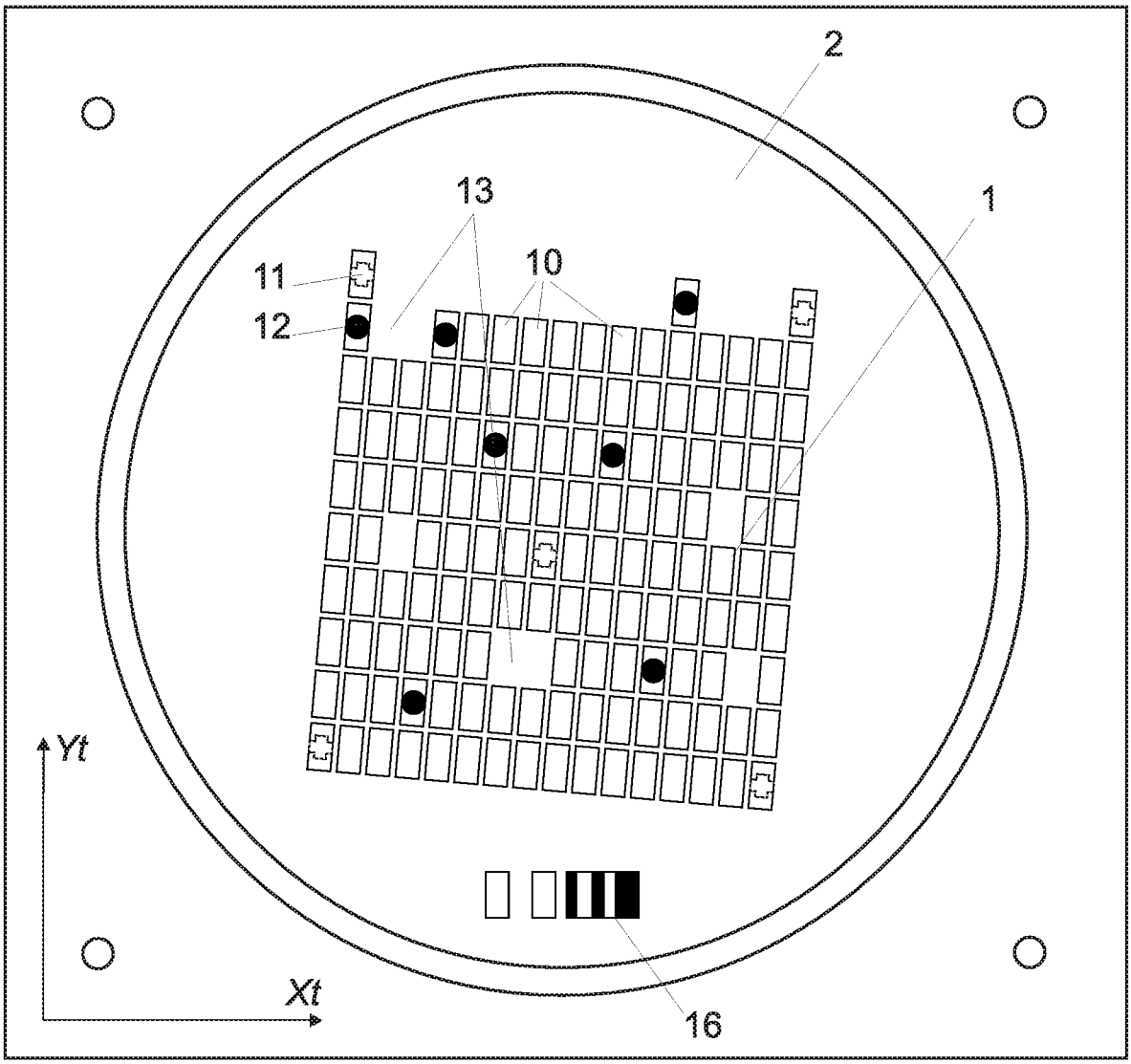
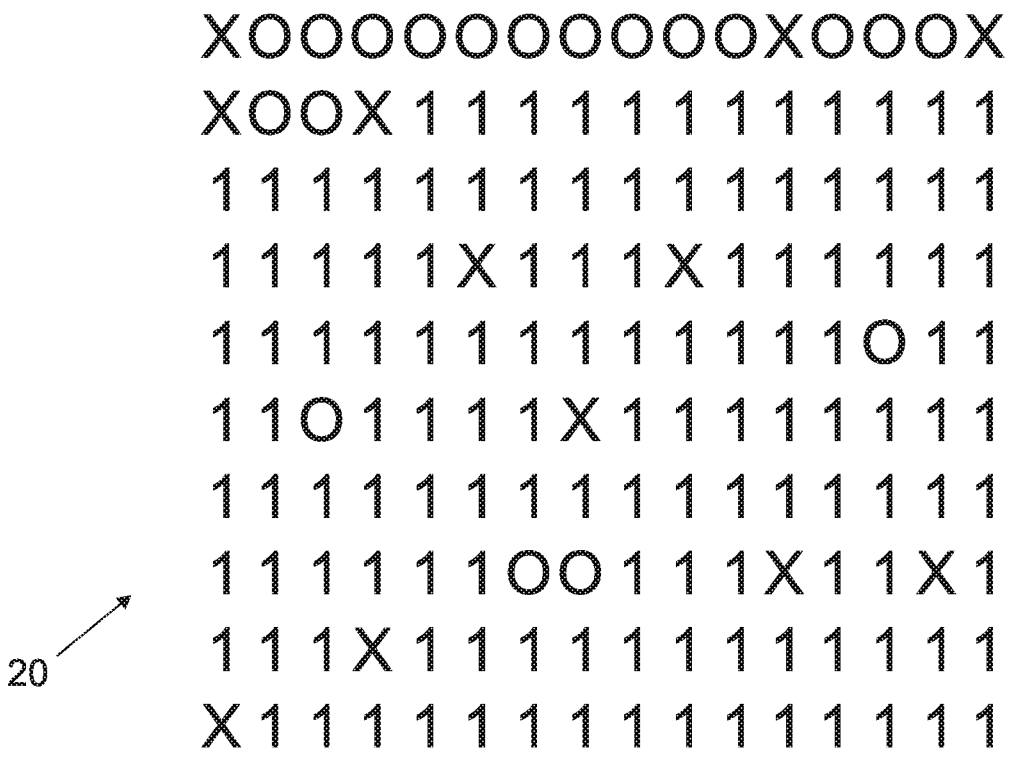


Fig. 3


XOOOOOOOOOOOXOOOX
XOOX1111111111111
1111111111111111
11111X111X111111
1111111111111O11
11O1111X11111111
1111111111111111
111111OO111X11X1
111X11111111111
X1111111111111

20

Fig. 4

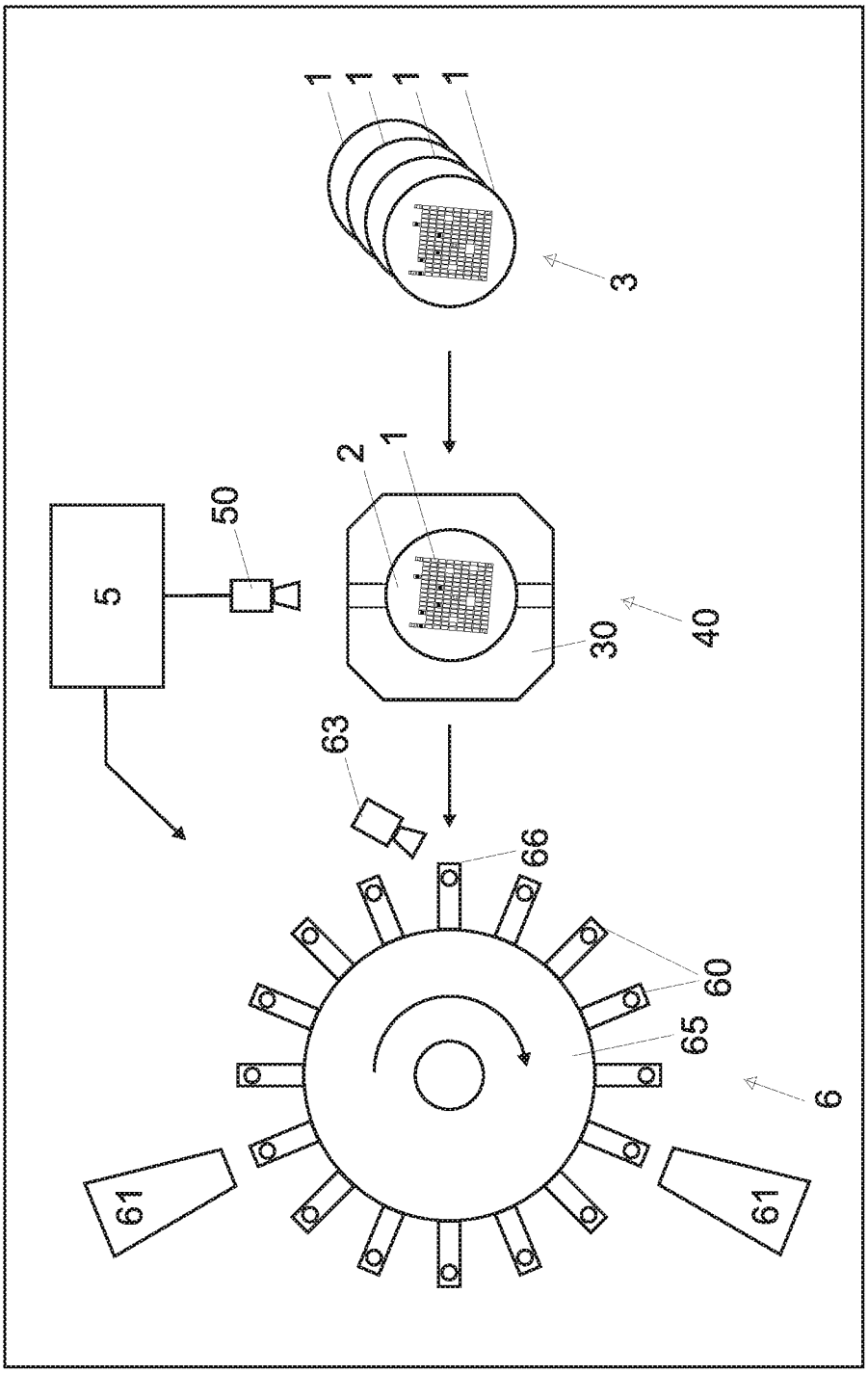


Fig. 5

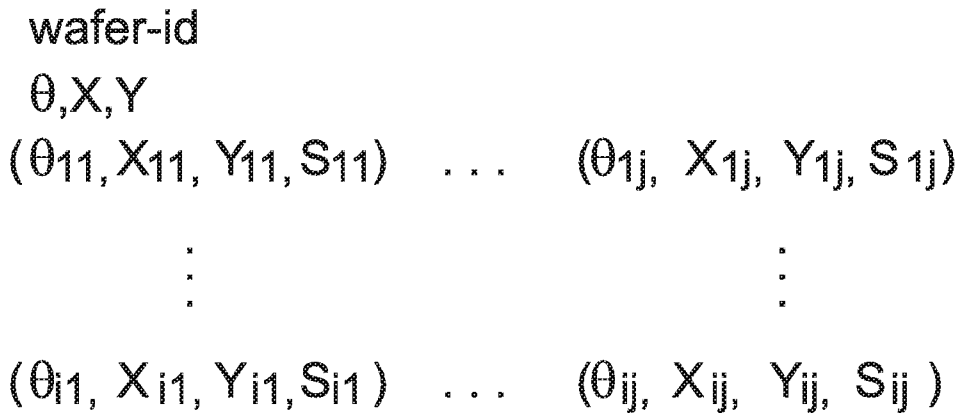

wafer-id
θ,X,Y
(θ11, X11, Y11, S11) . . . (θ1j, X1j, Y1j, S1j)
(θi1, Xi1, Yi1, Si1) . . . (θij, Xij, Yij, Sij)

Fig. 6

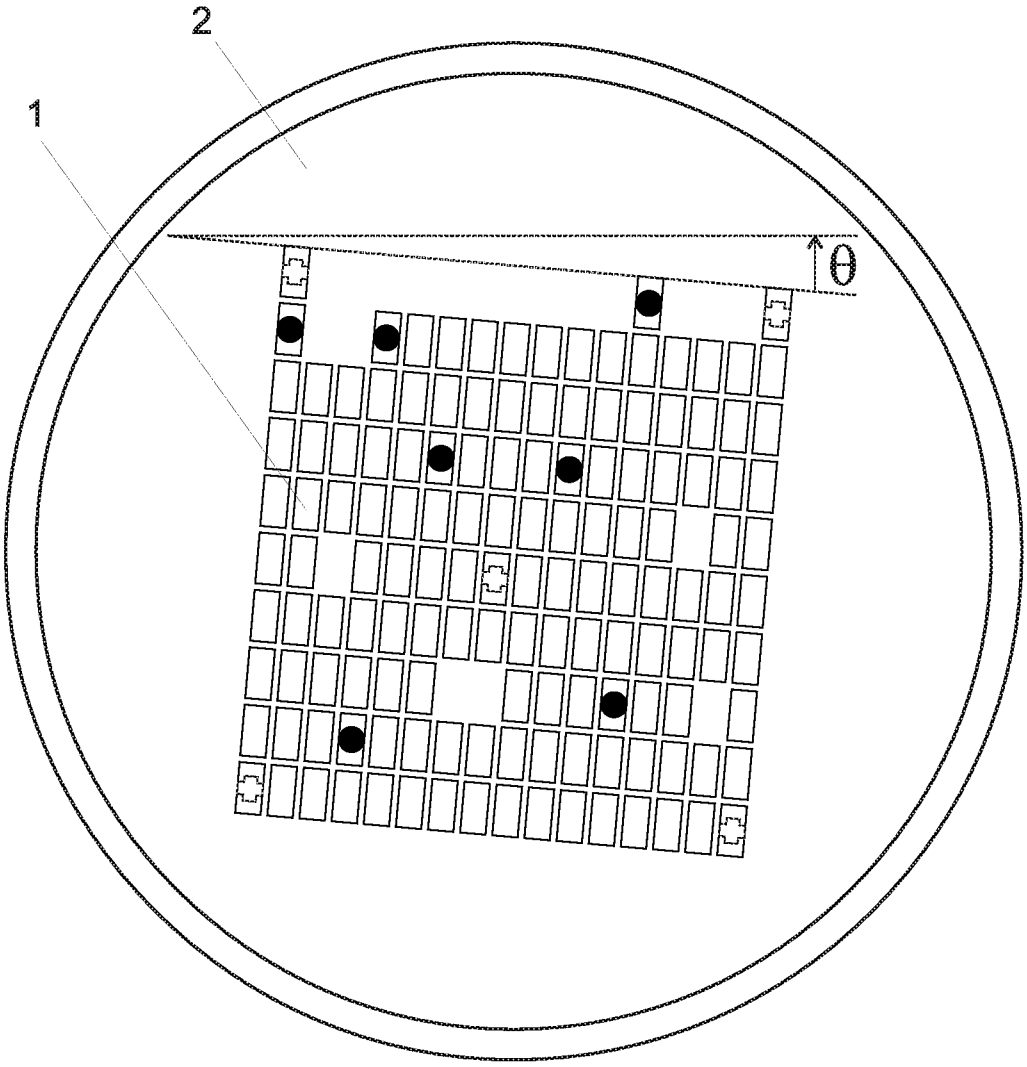


Fig. 7

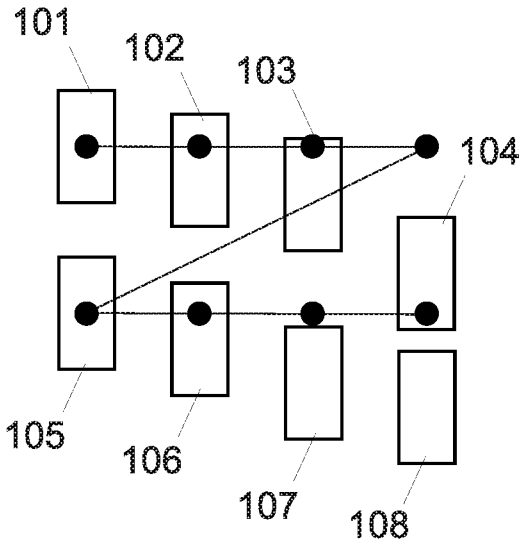


Fig. 8

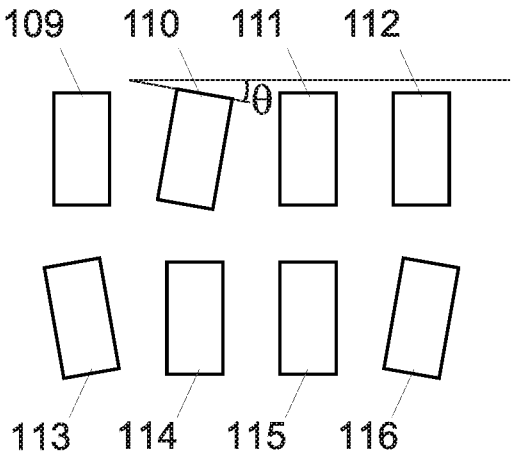


Fig. 9

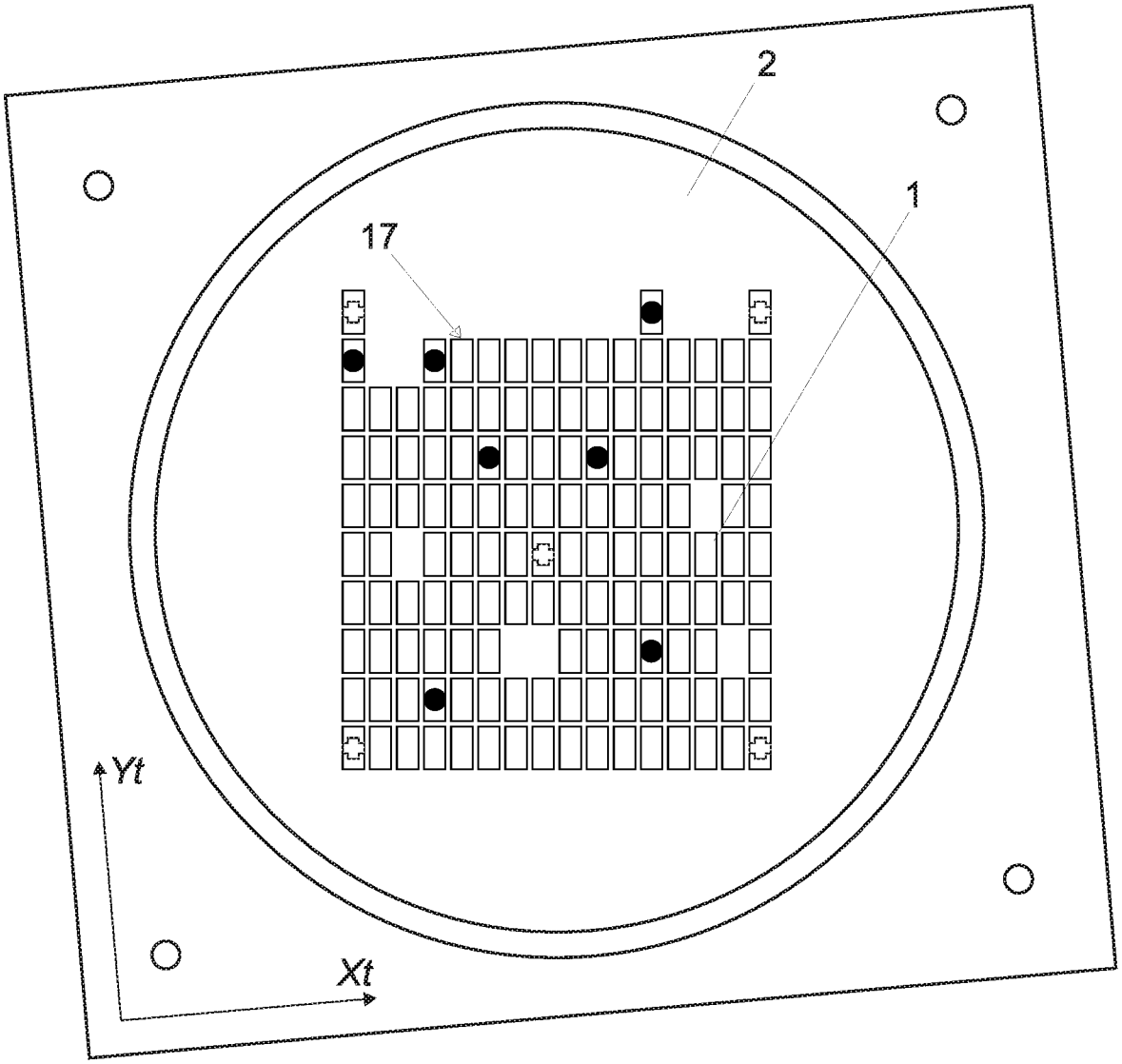


Fig. 10

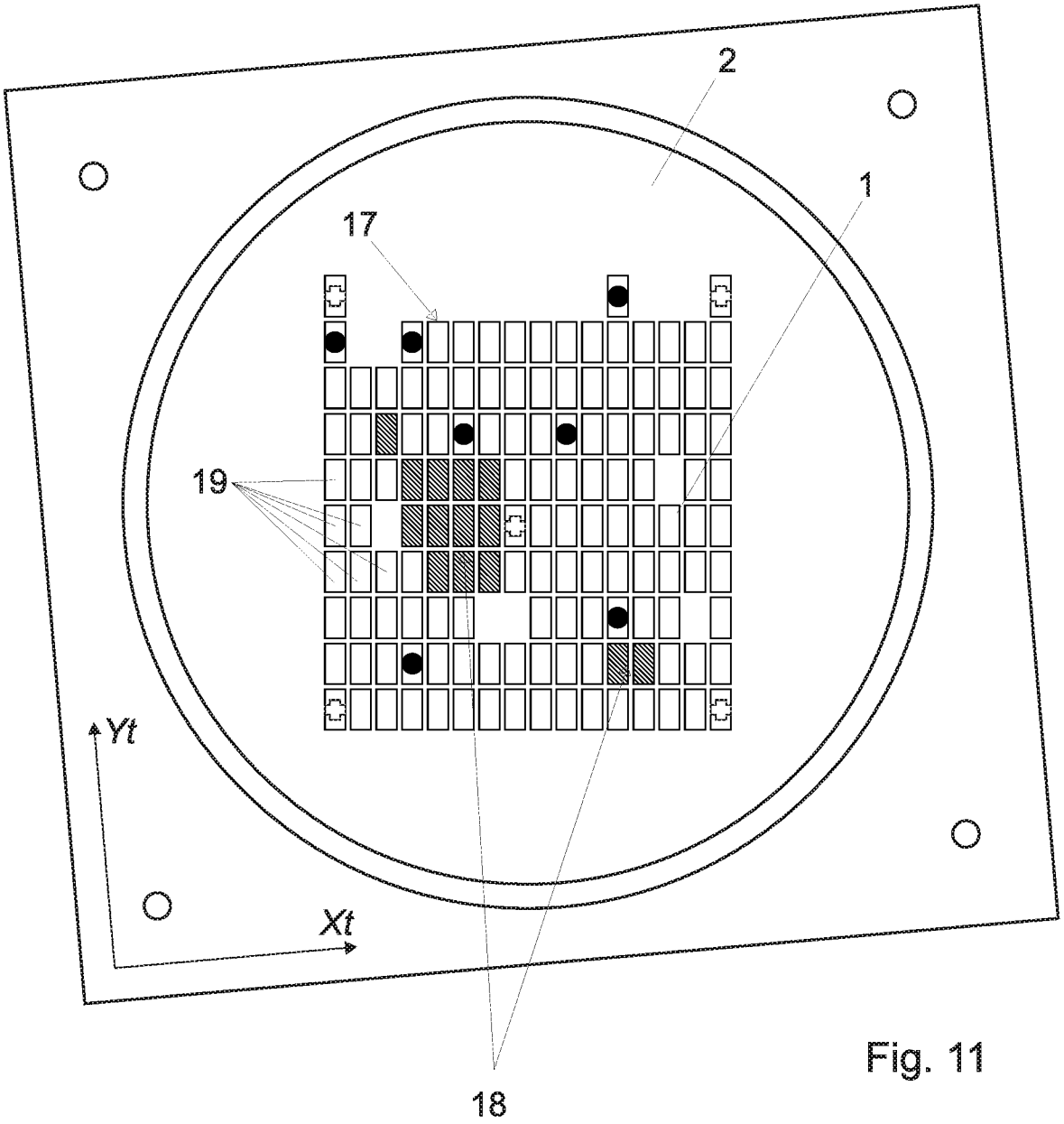


Fig. 11

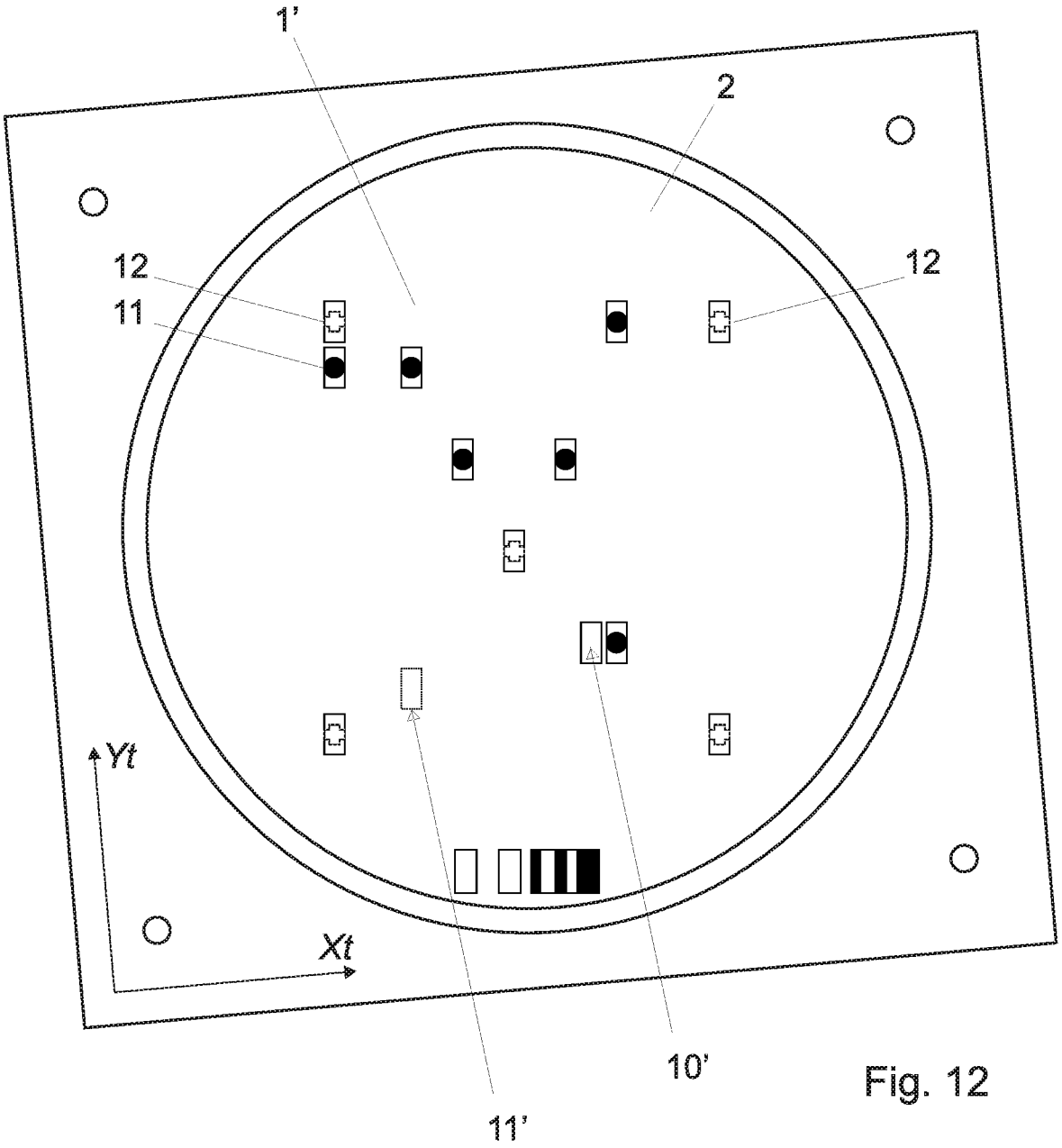


Fig. 12