Fig.1

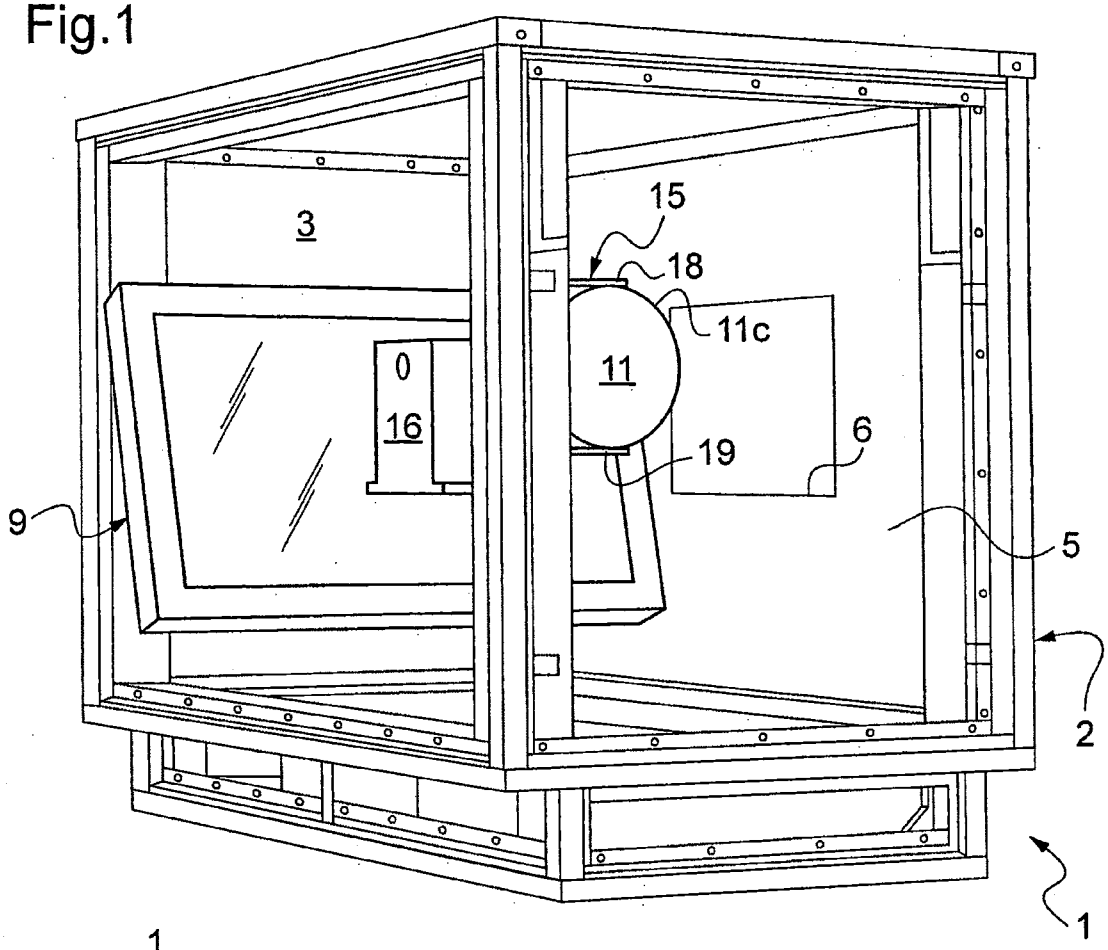


Fig.2

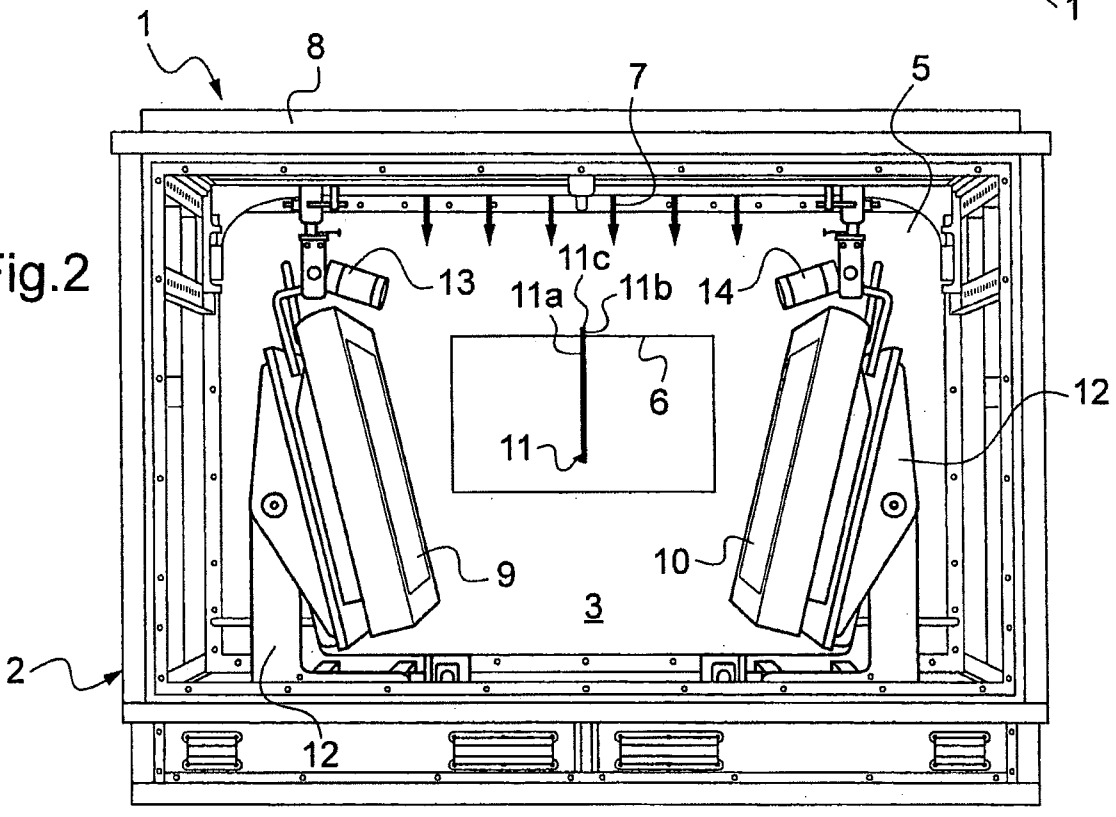


Fig.3

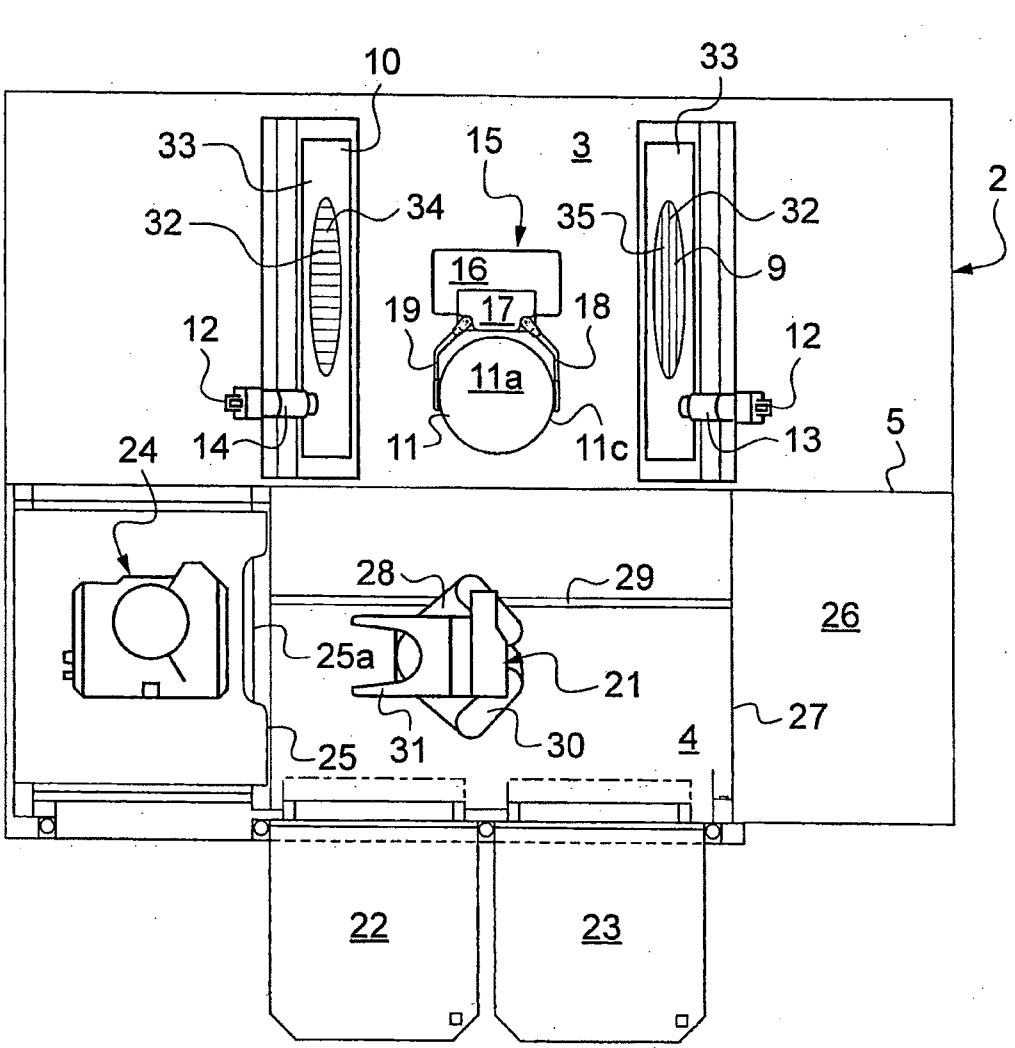
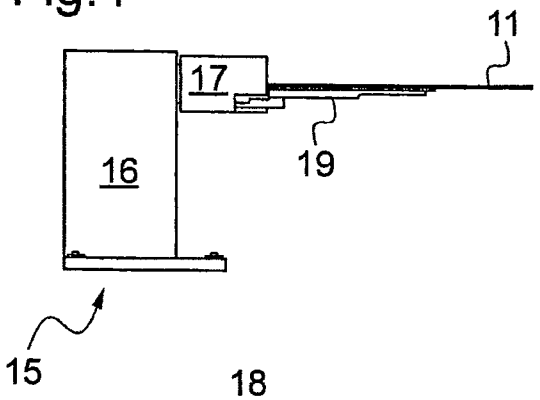


Fig.4



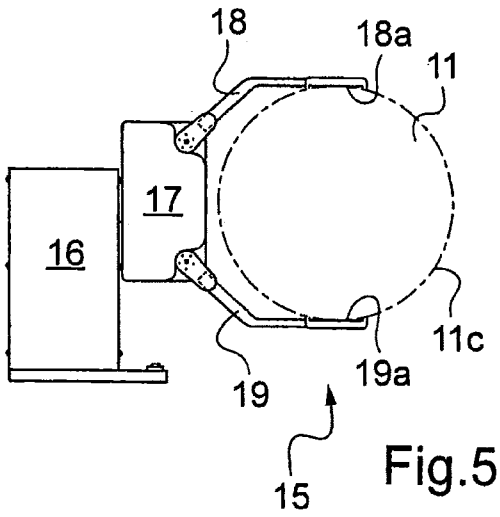


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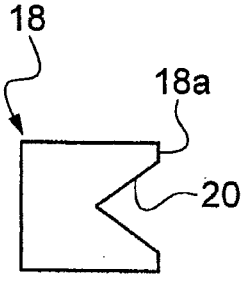


Fig.6

Fig. 7

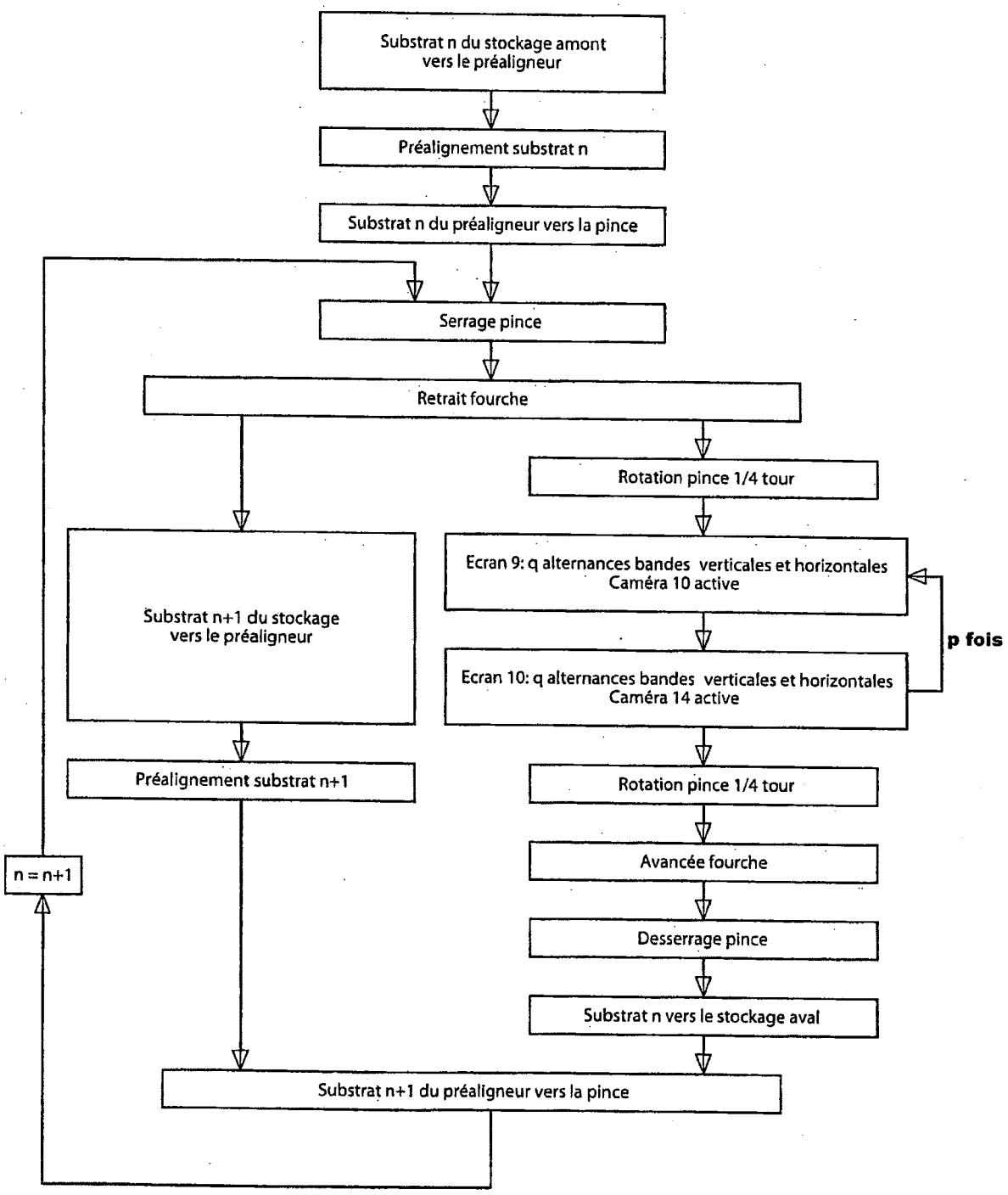
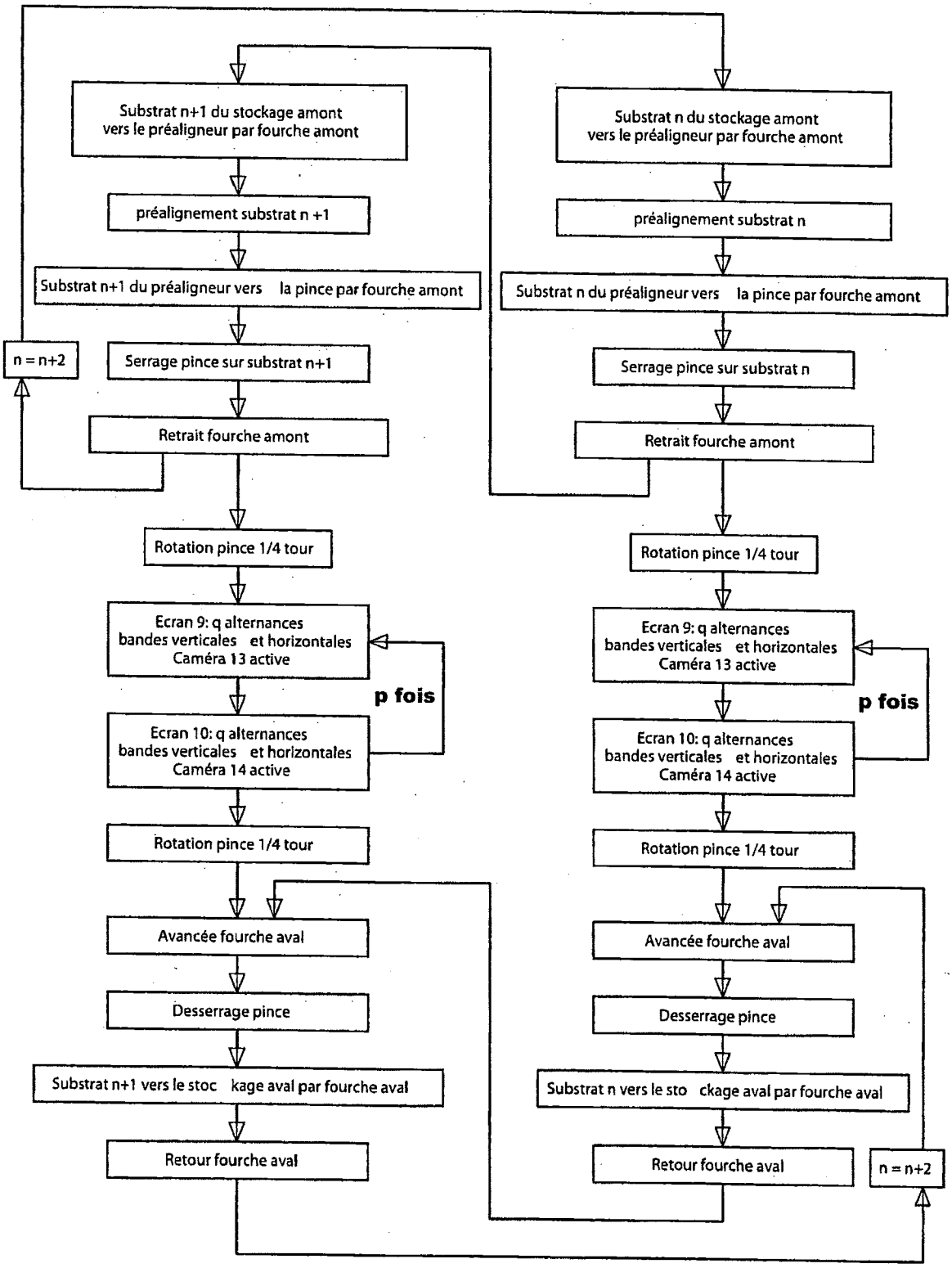

Substrat n du stockage amont vers le préaligneur
Préalignement substrat n
Substrat n du préaligneur vers la pince
Serrage pince
Retrait fourche
Rotation pince 1/4 tour
Ecran 9: q alternances bandes verticales et horizontales Caméra 10 active
Ecran 10: q alternances bandes verticales et horizontales Caméra 14 active
p fois
Substrat n+1 du stockage vers le préaligneur
Préalignement substrat n+1
Rotation pince 1/4 tour
Avancée fourche
Desserrage pince
Substrat n vers le stockage aval
n = n+1
Substrat n+1 du préaligneur vers la pince

Fig. 8


Substrat n+1 du stockage amont vers le préaligneur par fourche amont
préalignement substrat n +1
Substrat n+1 du préaligneur vers la pince par fourche amont
n = n+2
Serrage pince sur substrat n+1
Retrait fourche amont
Rotation pince 1/4 tour
Ecran 9: q alternances bandes verticales et horizontales Caméra 13 active
p fois
Ecran 10: q alternances bandes verticales et horizontales Caméra 14 active
Rotation pince 1/4 tour
Avancée fourche aval
Desserrage pince
Substrat n+1 vers le stoc kage aval par fourche aval
Retour fourche aval
Substrat n du stockage amont vers le préaligneur par fourche amont
préalignement substrat n
Substrat n du préaligneur vers la pince par fourche amont
Serrage pince sur substrat n
Retrait fourche amont
Rotation pince 1/4 tour
Ecran 9: q alternances bandes verticales et horizontales Caméra 13 active
p fois
Ecran 10: q alternances bandes verticales et horizontales Caméra 14 active
Rotation pince 1/4 tour
Avancée fourche aval
Desserrage pince
Substrat n vers le sto ckage aval par fourche aval
Retour fourche aval
n = n+2

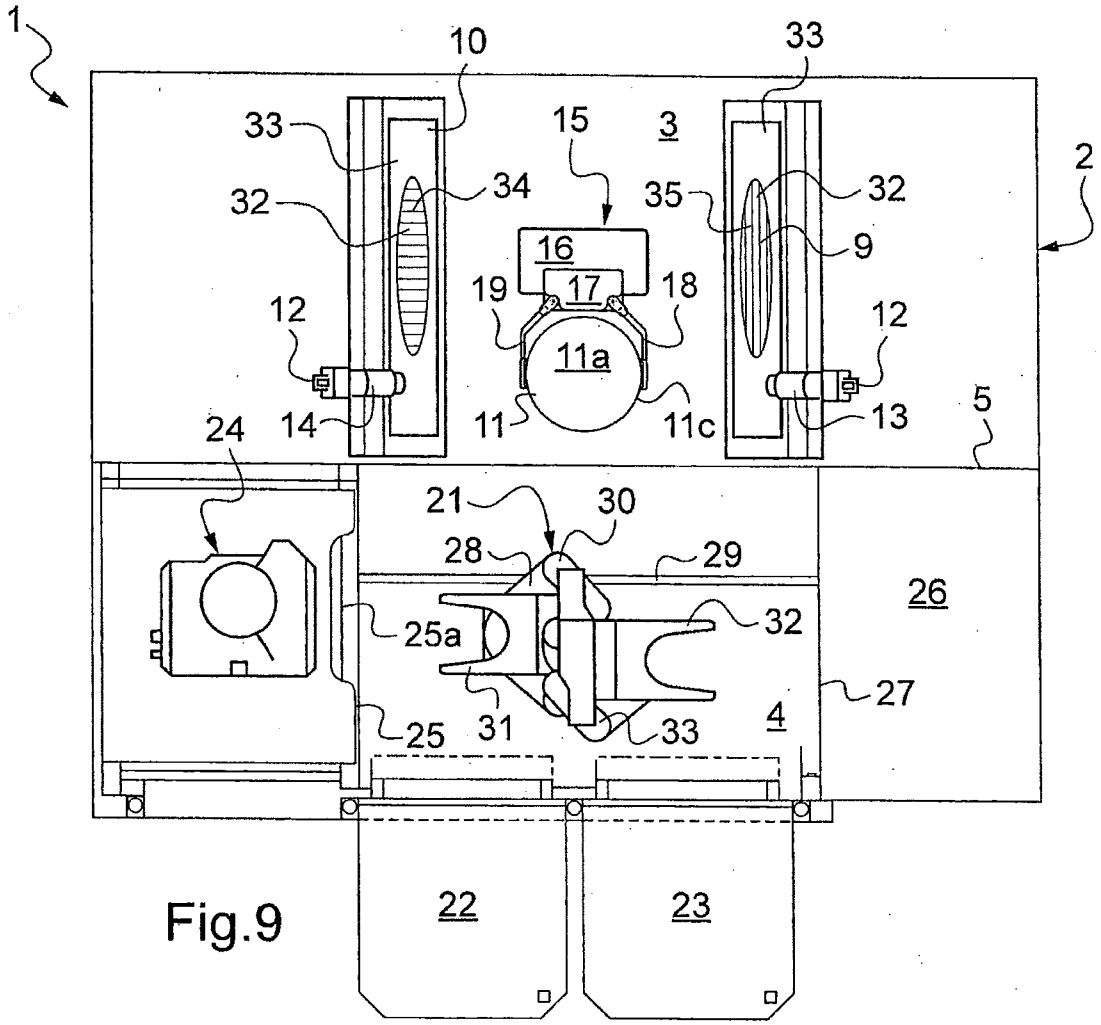

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25a
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Fig.9

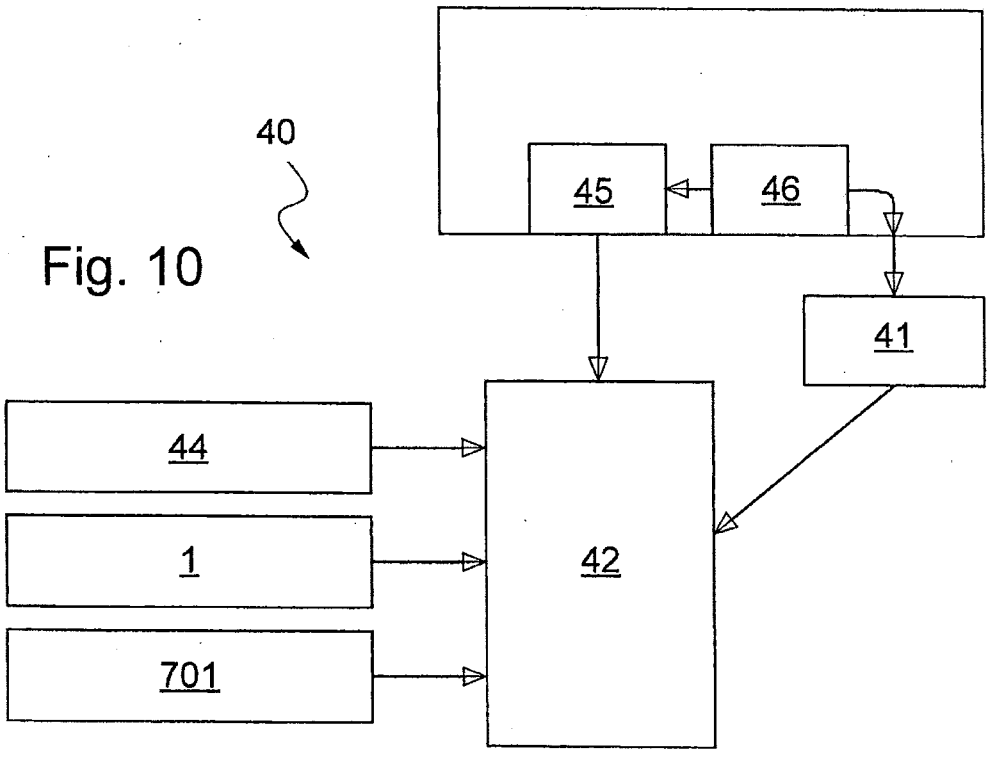
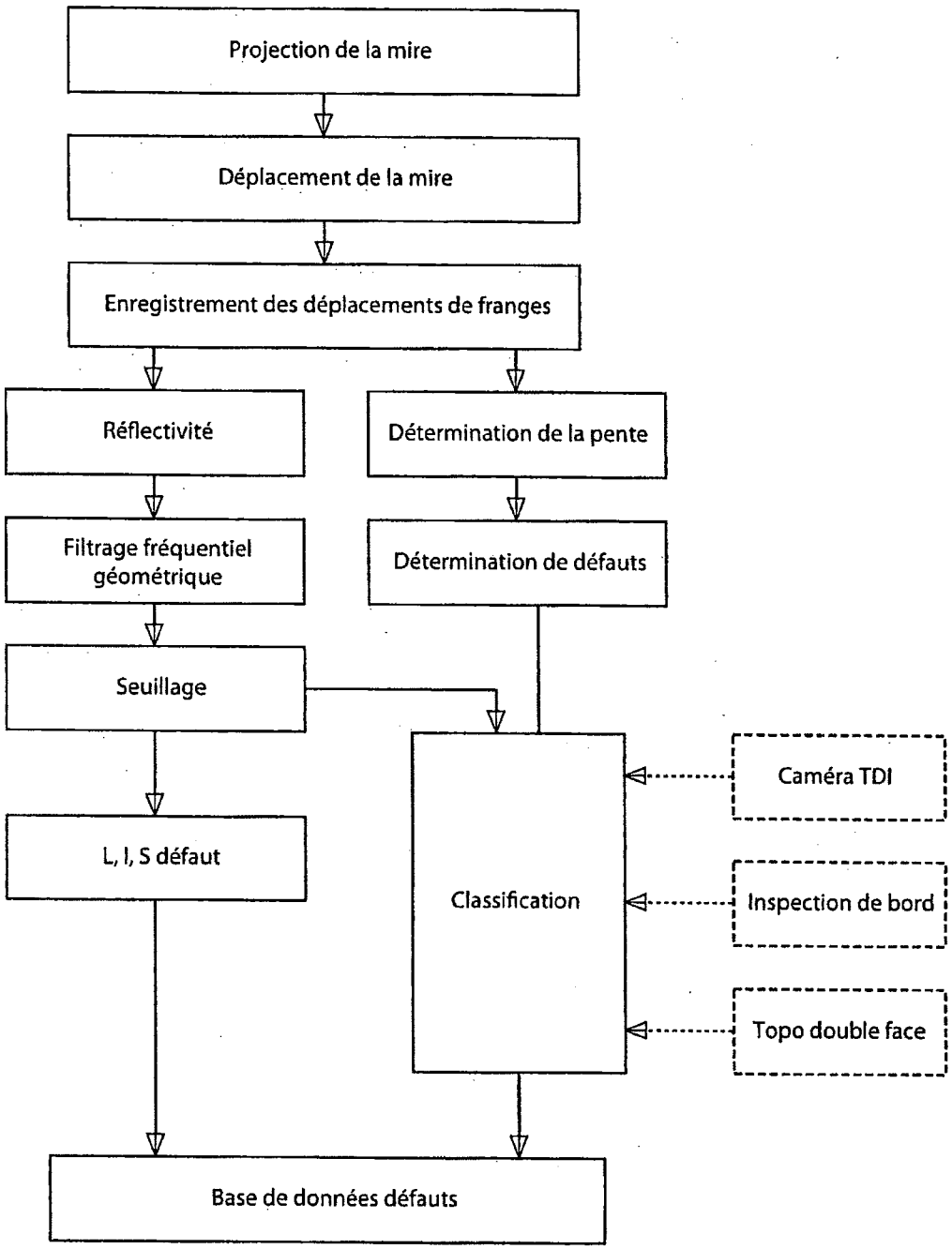

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Fig. 10

Fig. 11


Projection de la mire
Déplacement de la mire
Enregistrement des déplacements de franges
Réflectivité
Détermination de la pente
Filtrage fréquentiel géométrique
Détermination de défauts
Seuillage
L, l, S défaut
Classification
Caméra TDI
Inspection de bord
Topo double face
Base de données défauts

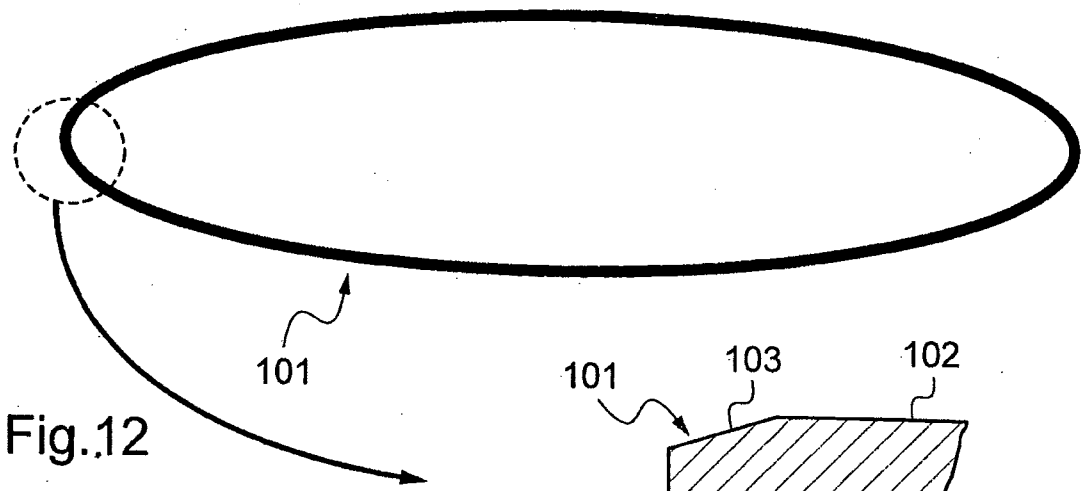


Fig.12

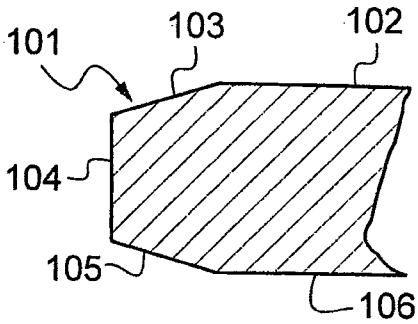


Fig.13

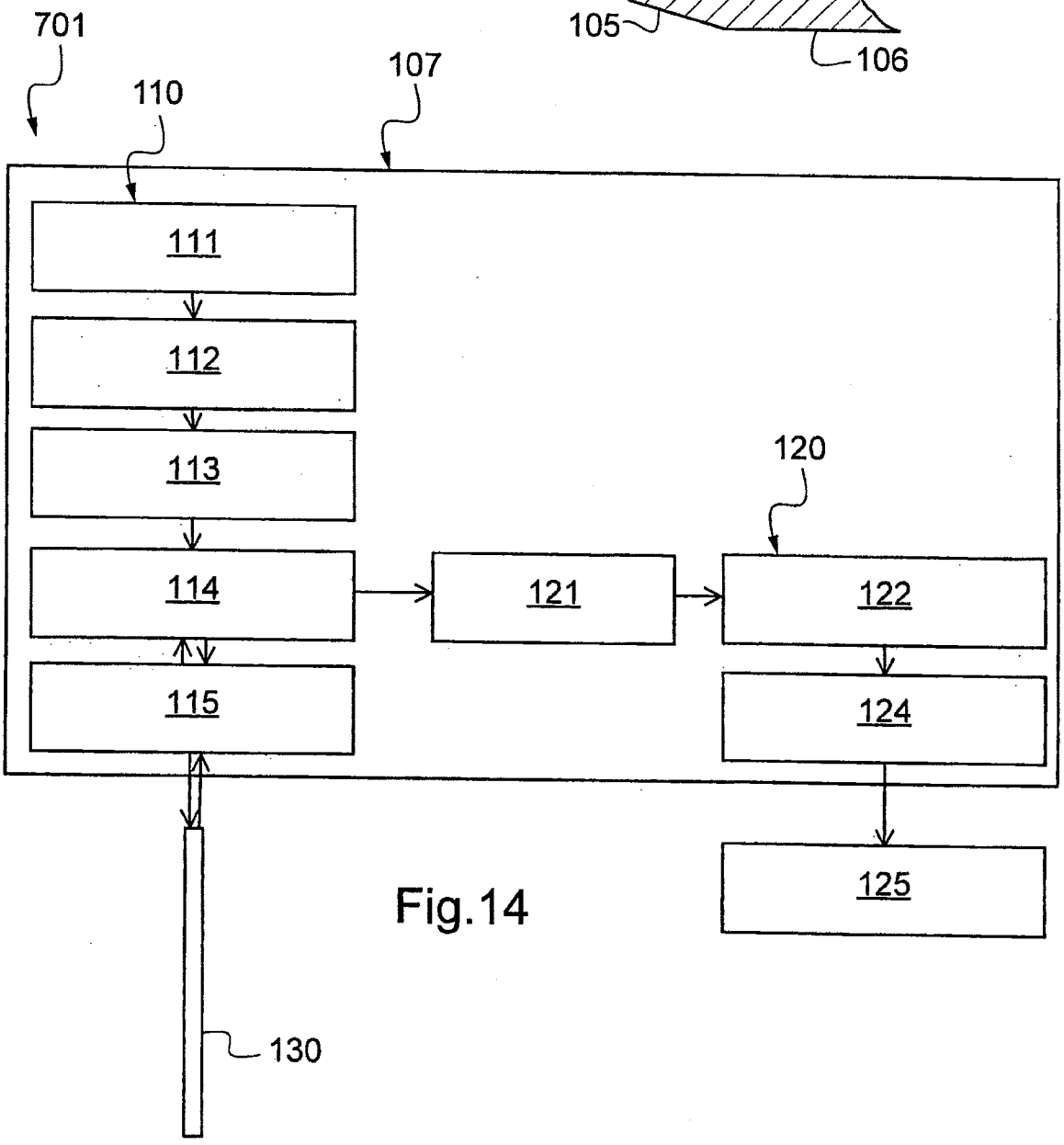
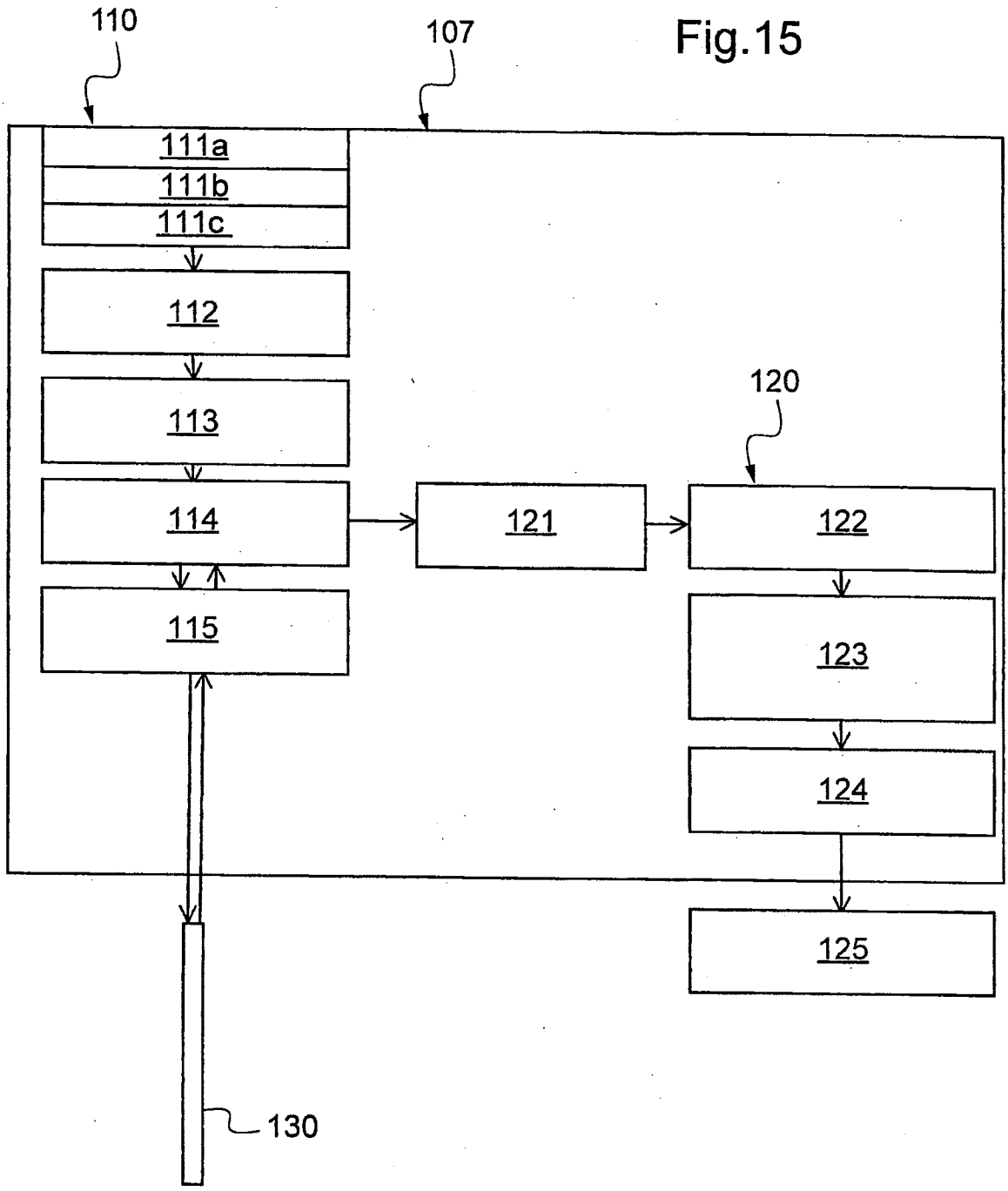


Fig.14

Fig.15


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111c
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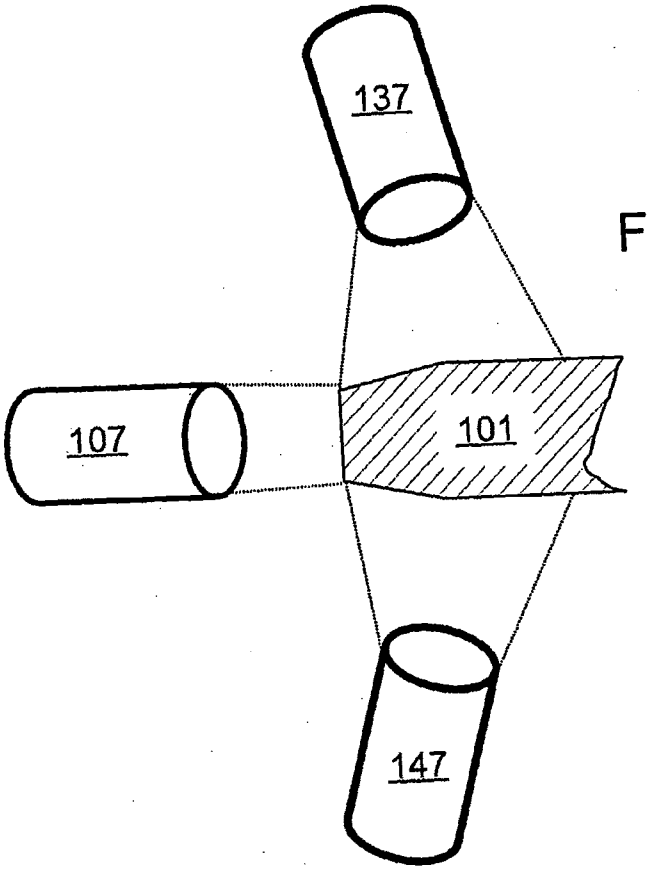


Fig.16

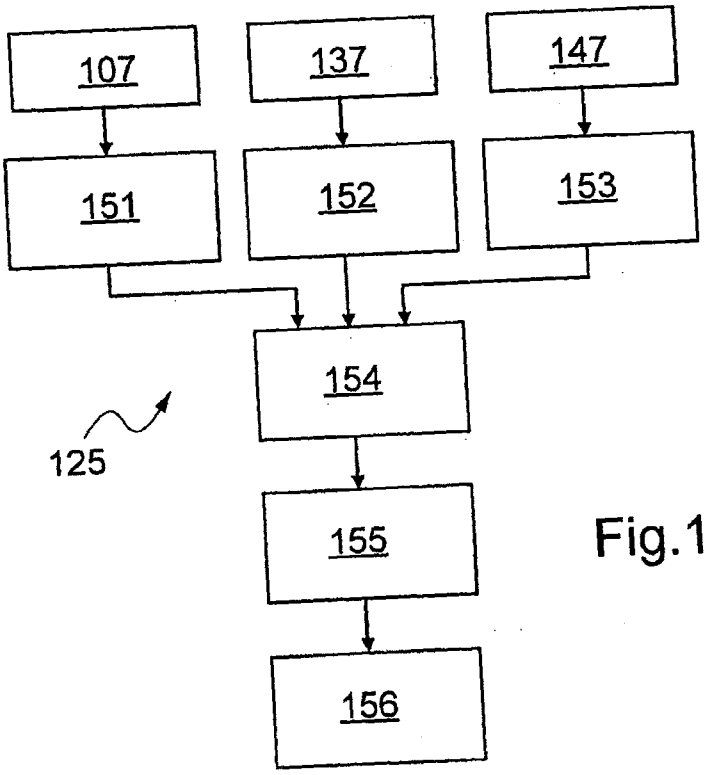


Fig.17

Fig.18

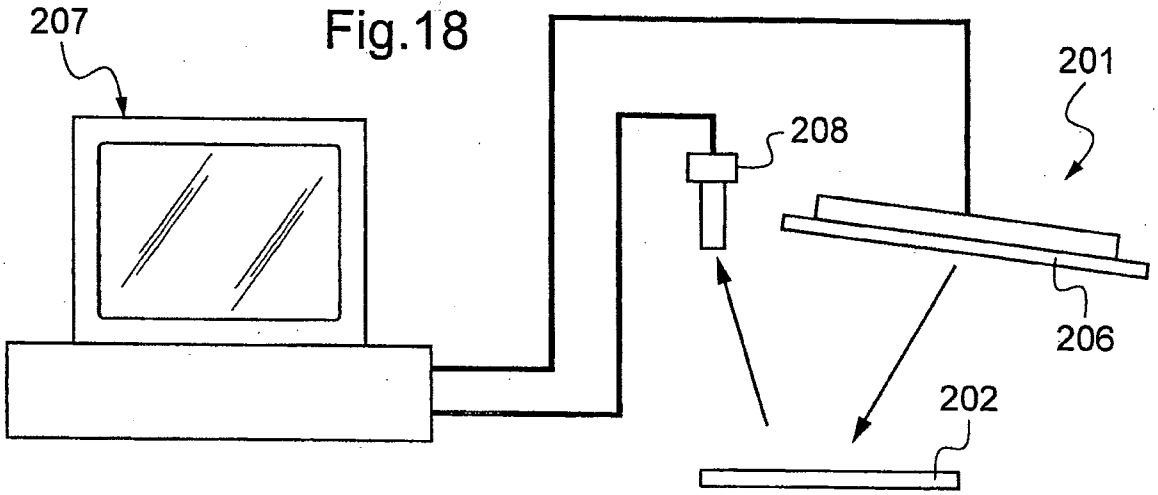


Fig.19

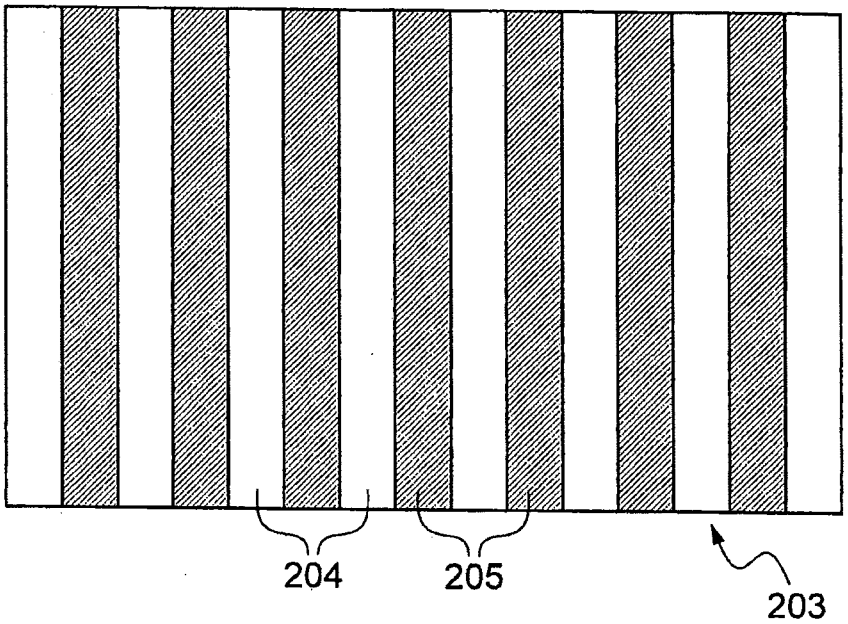


Fig.20

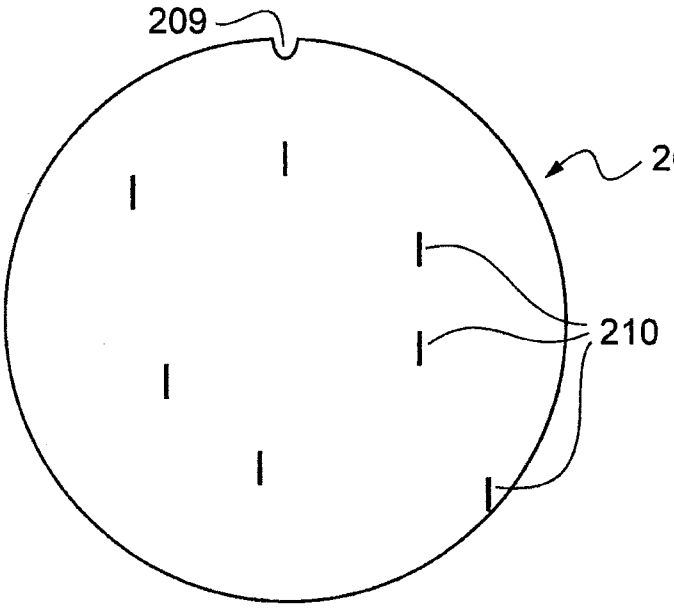


Fig.21

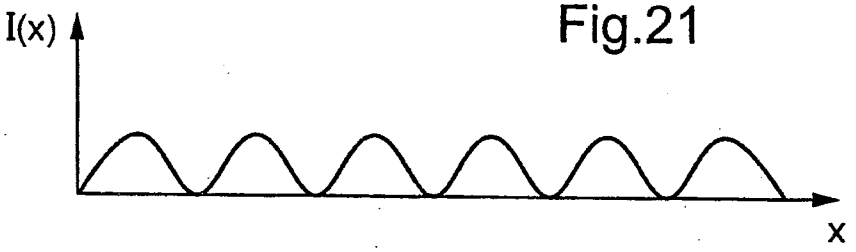


Fig.22

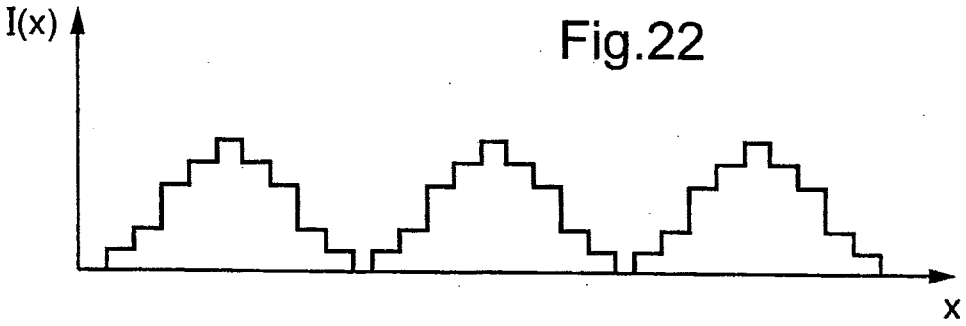


Fig.23

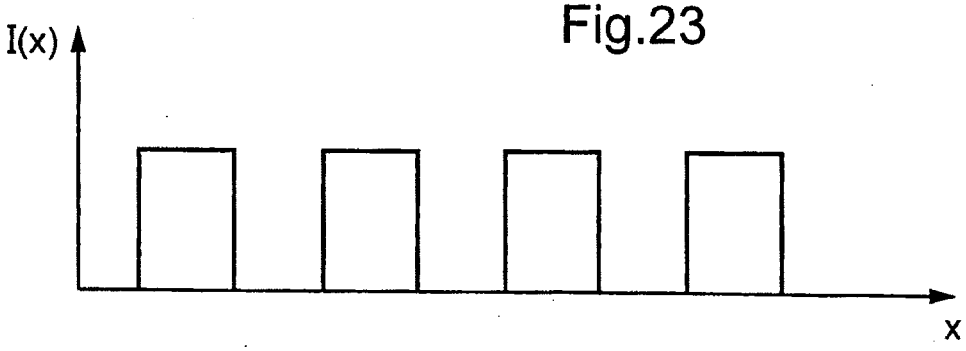
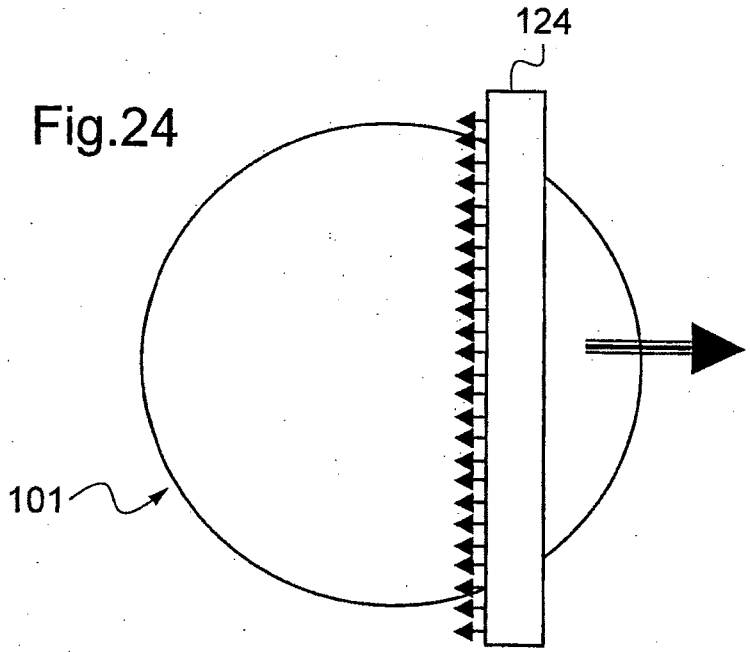


Fig.24



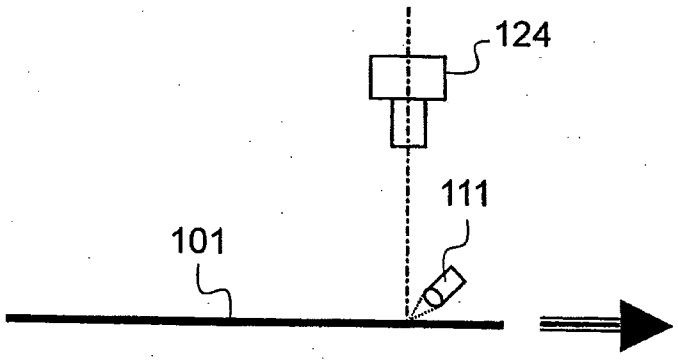


Fig.25