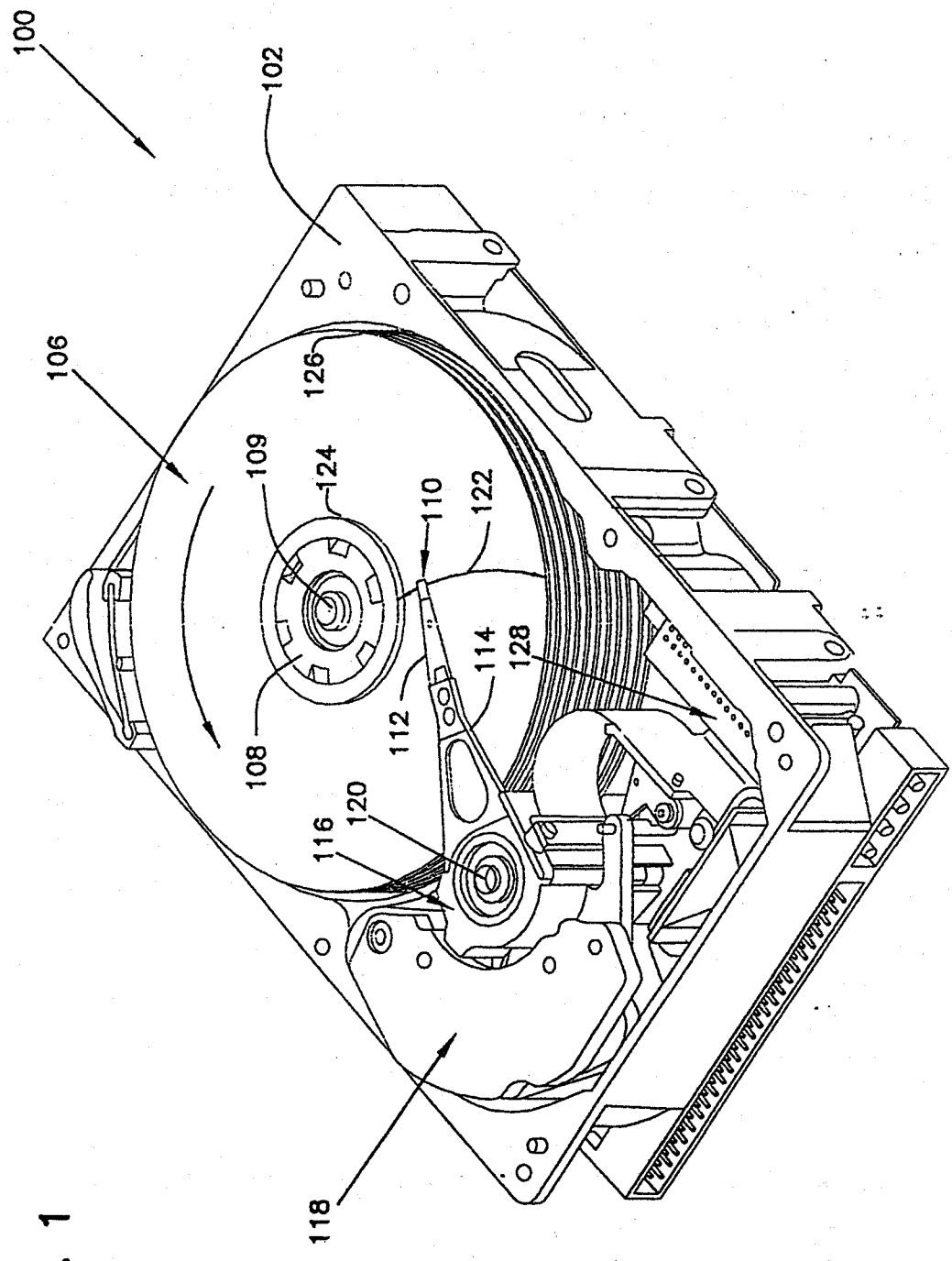


FIG. 1

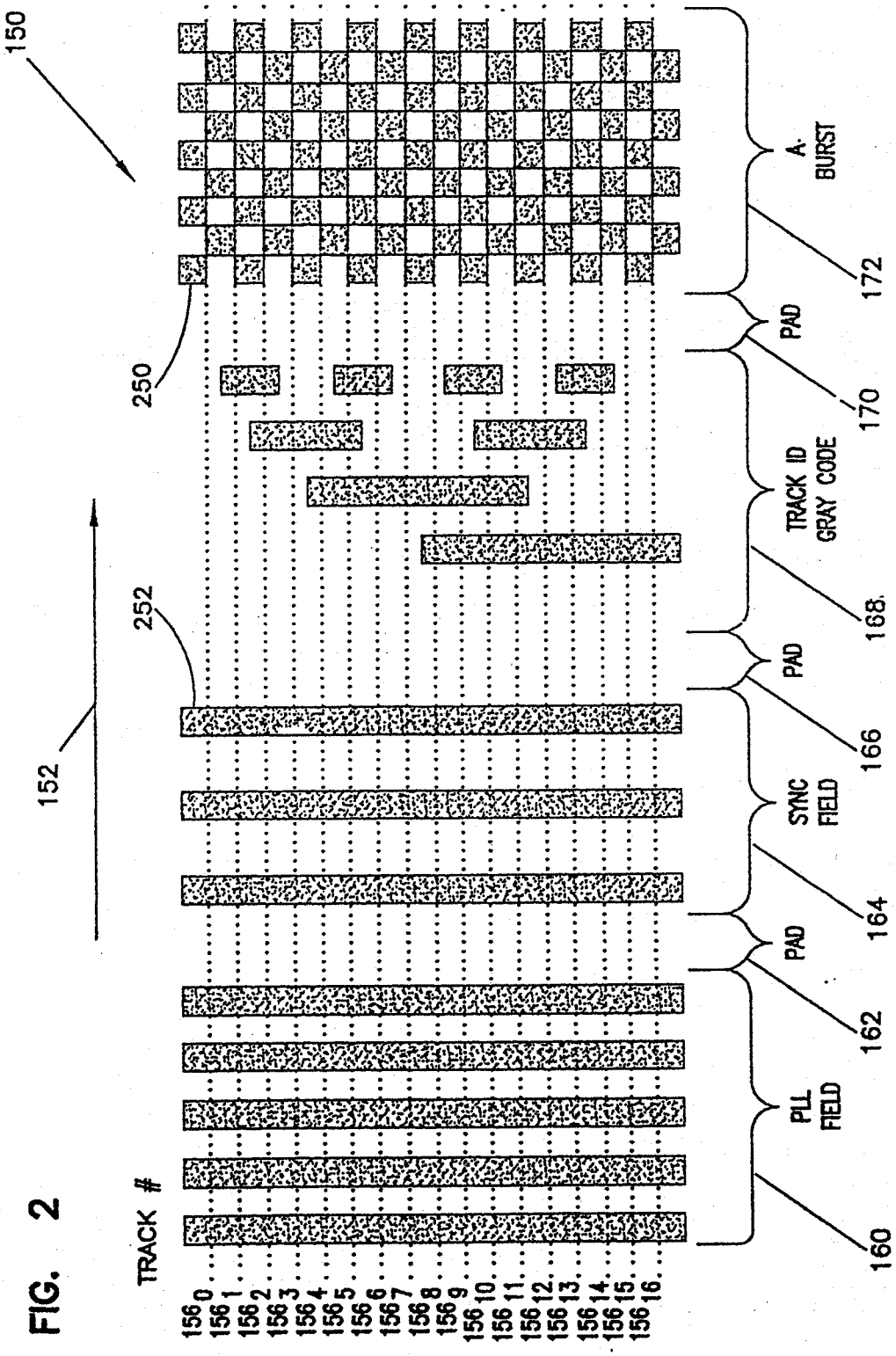

150
154
152
250
252
TRACK #
156 0
156 1
156 2
156 3
156 4
156 5
156 6
156 7
156 8
156 9
156 10
156 11
156 12
156 13
156 14
156 15
156 16
PLL FIELD
160
PAD
162
SYNC FIELD
164
PAD
166
TRACK ID GRAY CODE
168
PAD
170
A-BURST
172

FIG. 2

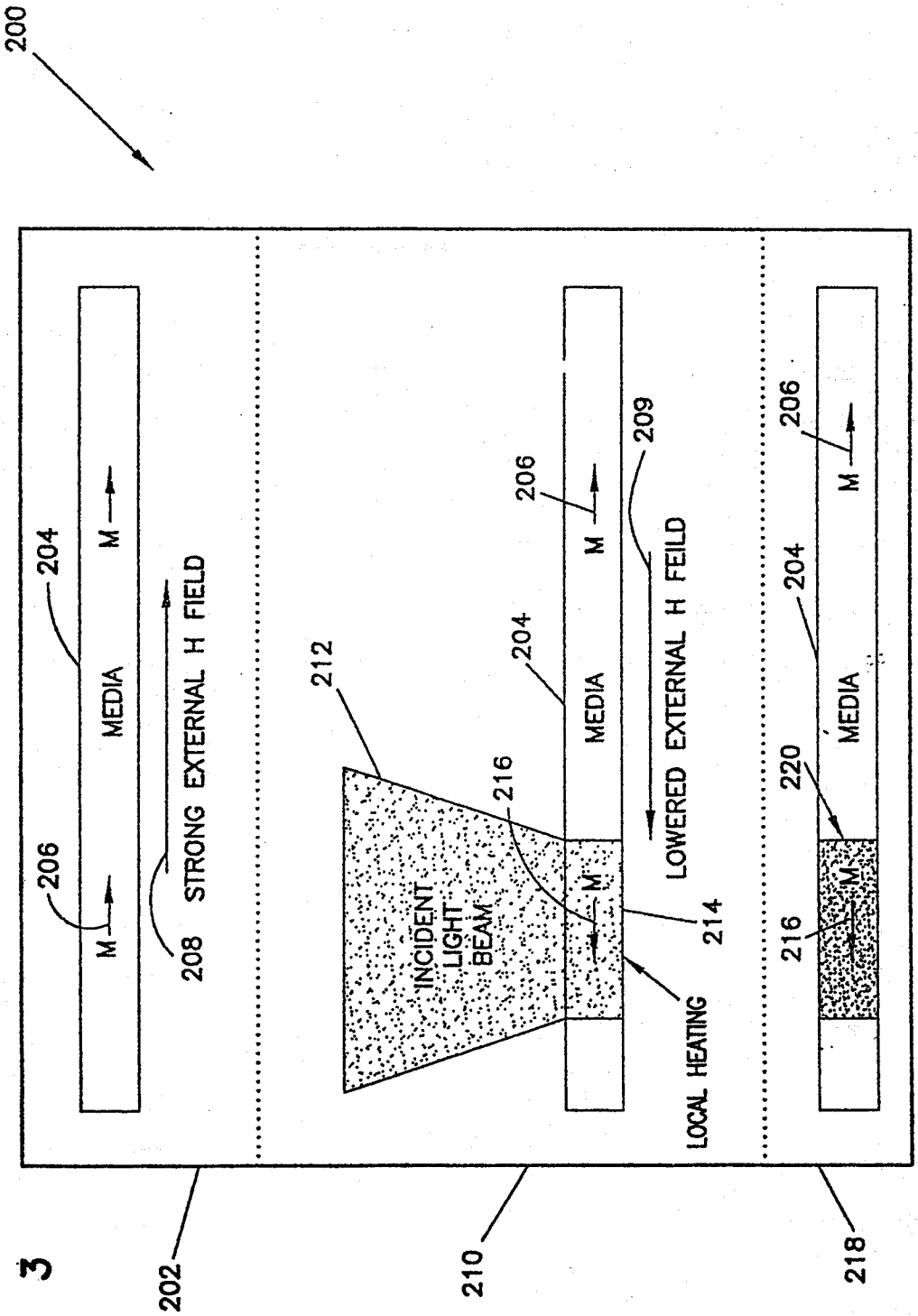

200
202
204
MEDIA
M
206
208 STRONG EXTERNAL H FIELD
210
212
INCIDENT LIGHT BEAM
216
214
LOCAL HEATING
209
LOWERED EXTERNAL H FEILD
218
220

FIG. 3

FIG. 11

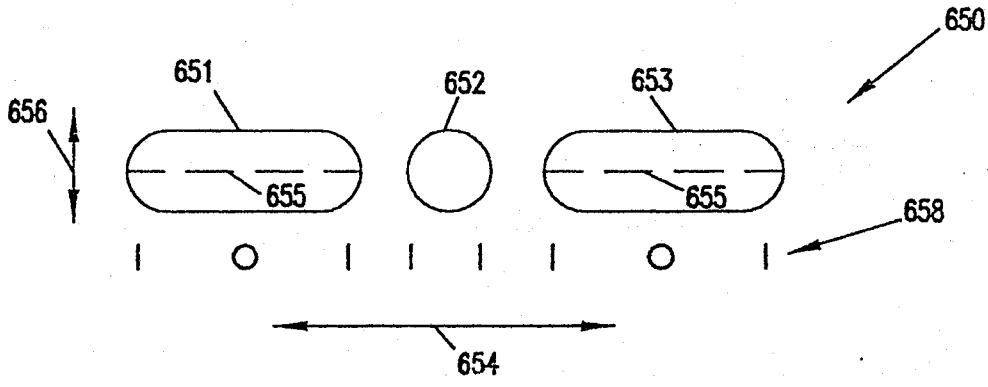


FIG. 13

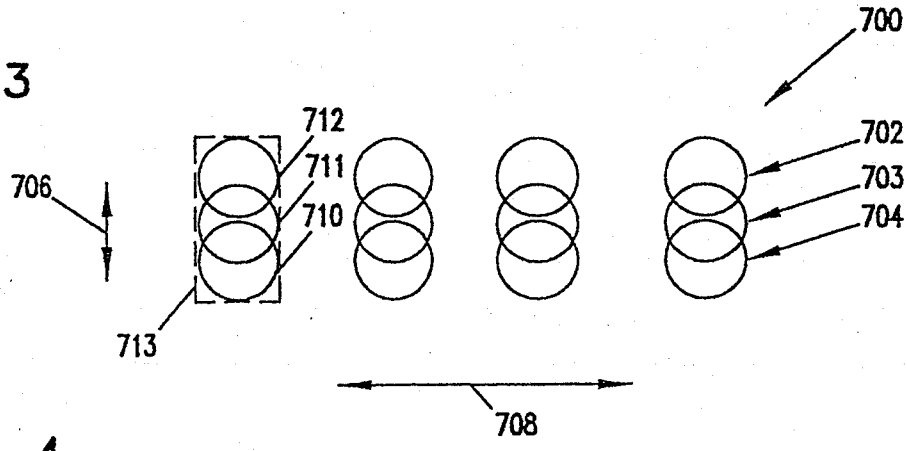


FIG. 4

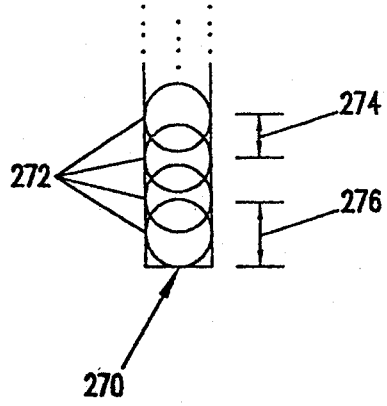


FIG. 12

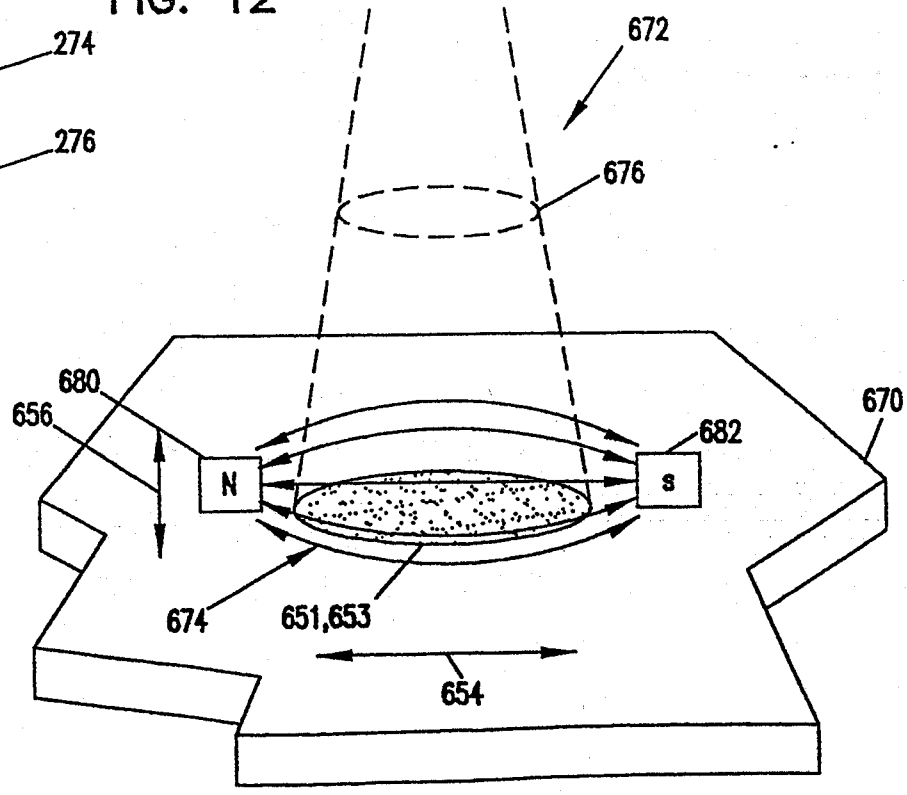


FIG. 5

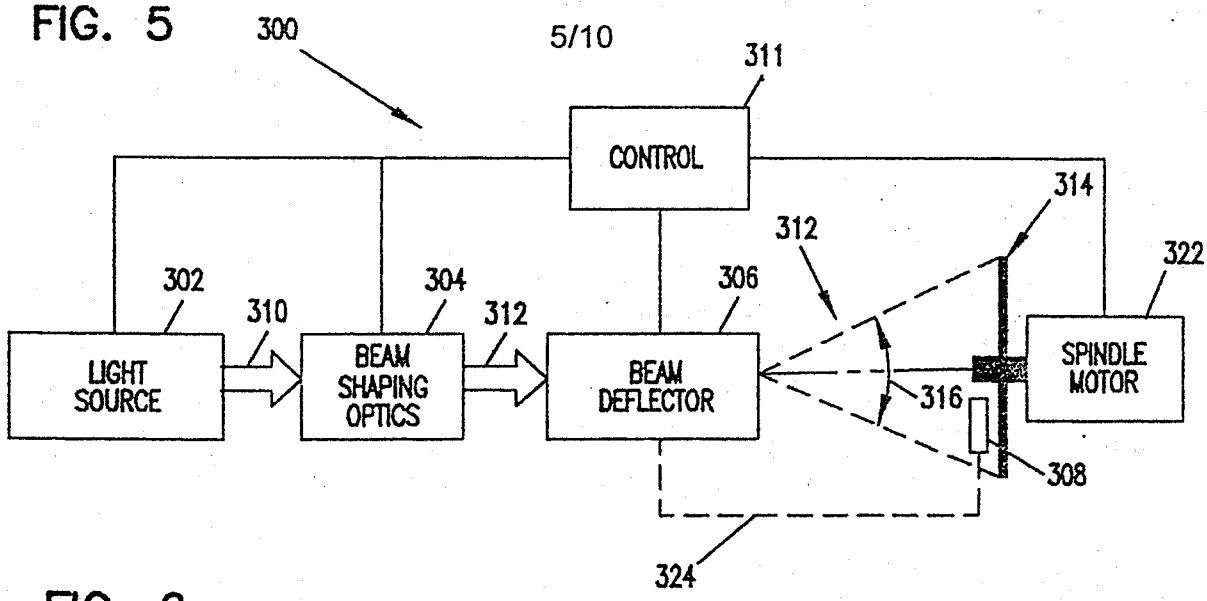


FIG. 6

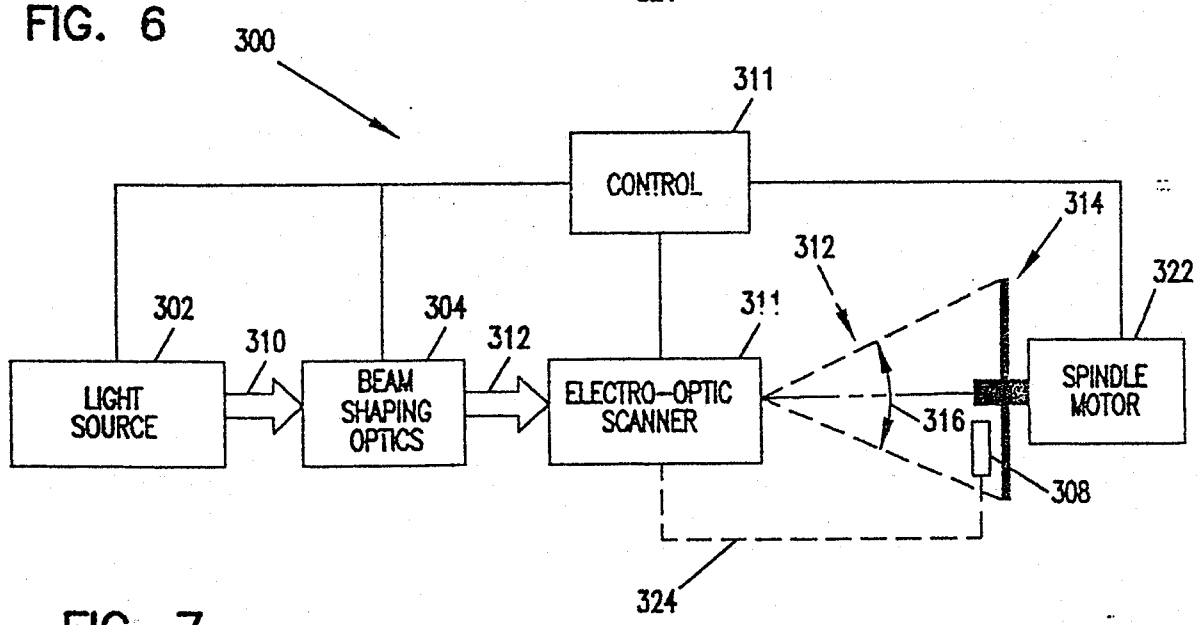


FIG. 7

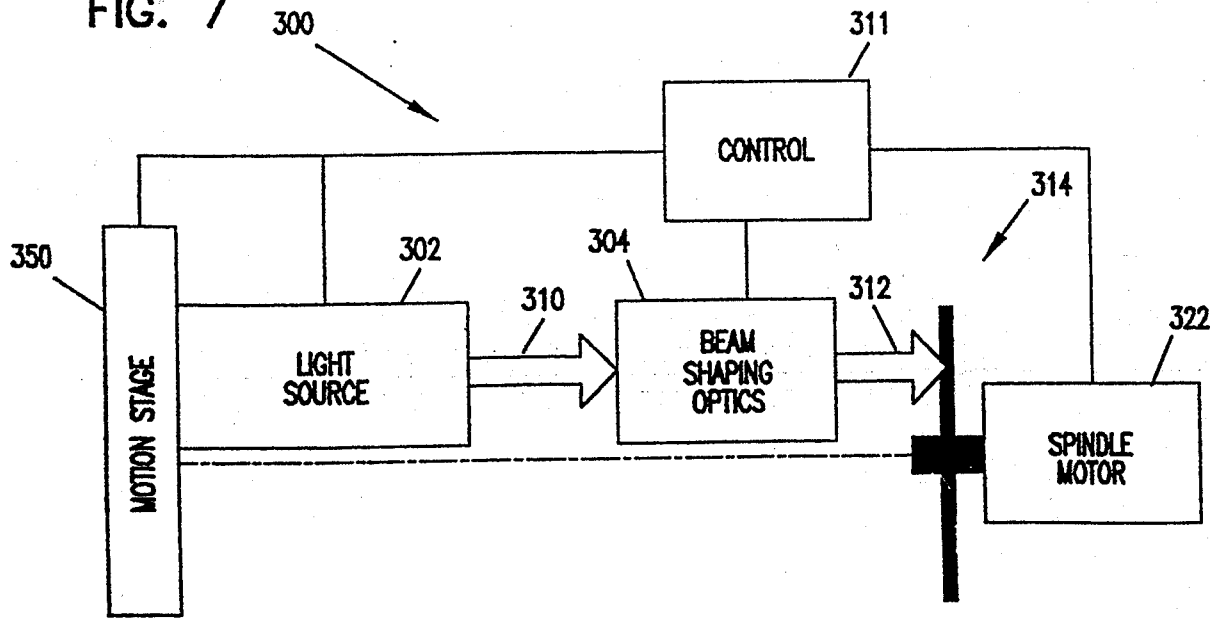


FIG. 8

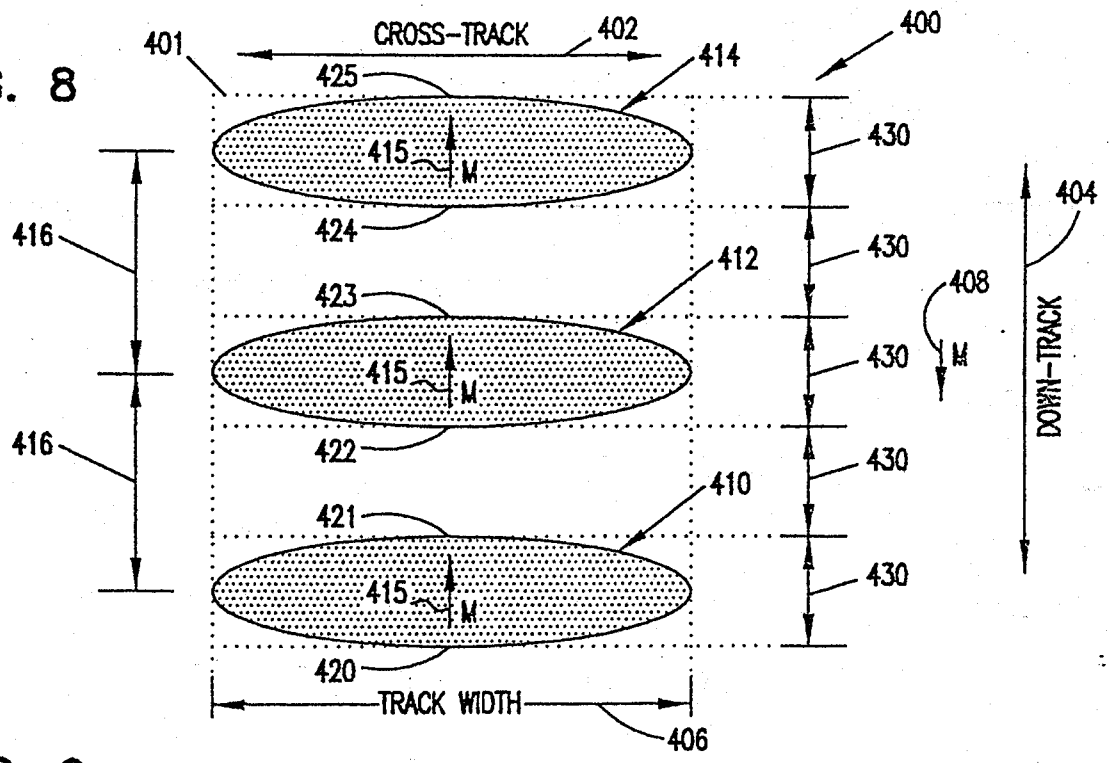


FIG. 9

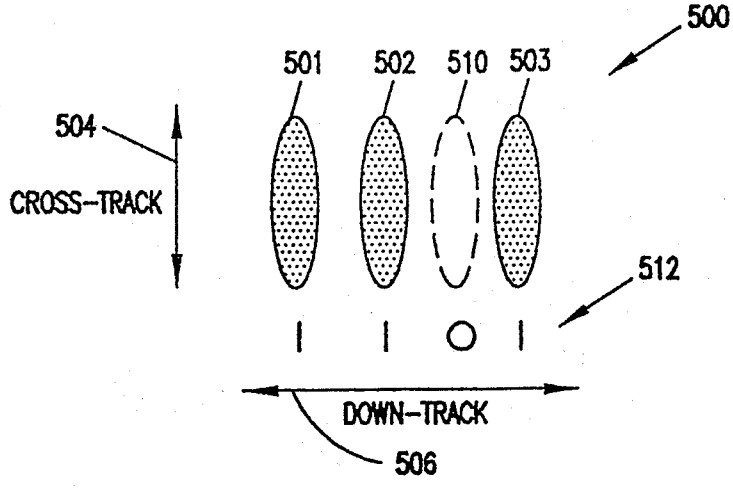


FIG. 10

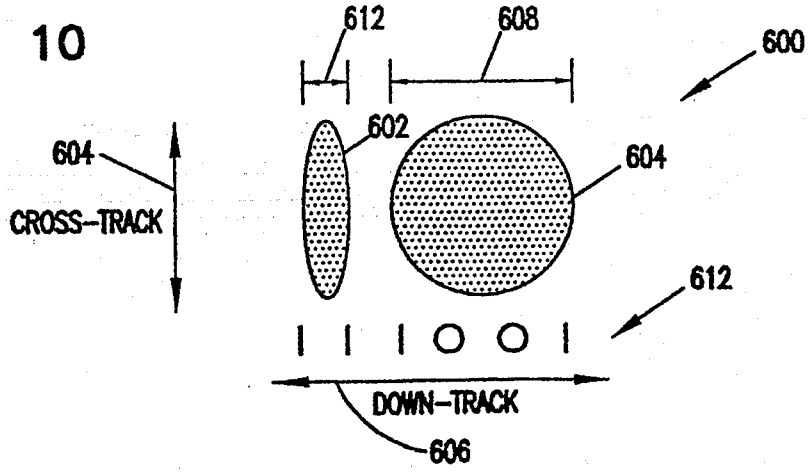


FIG. 14

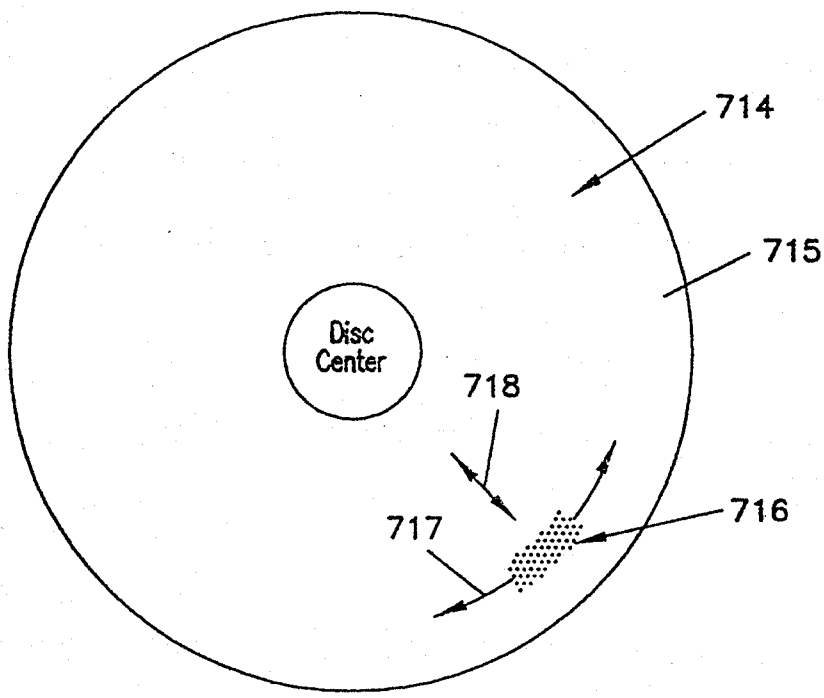
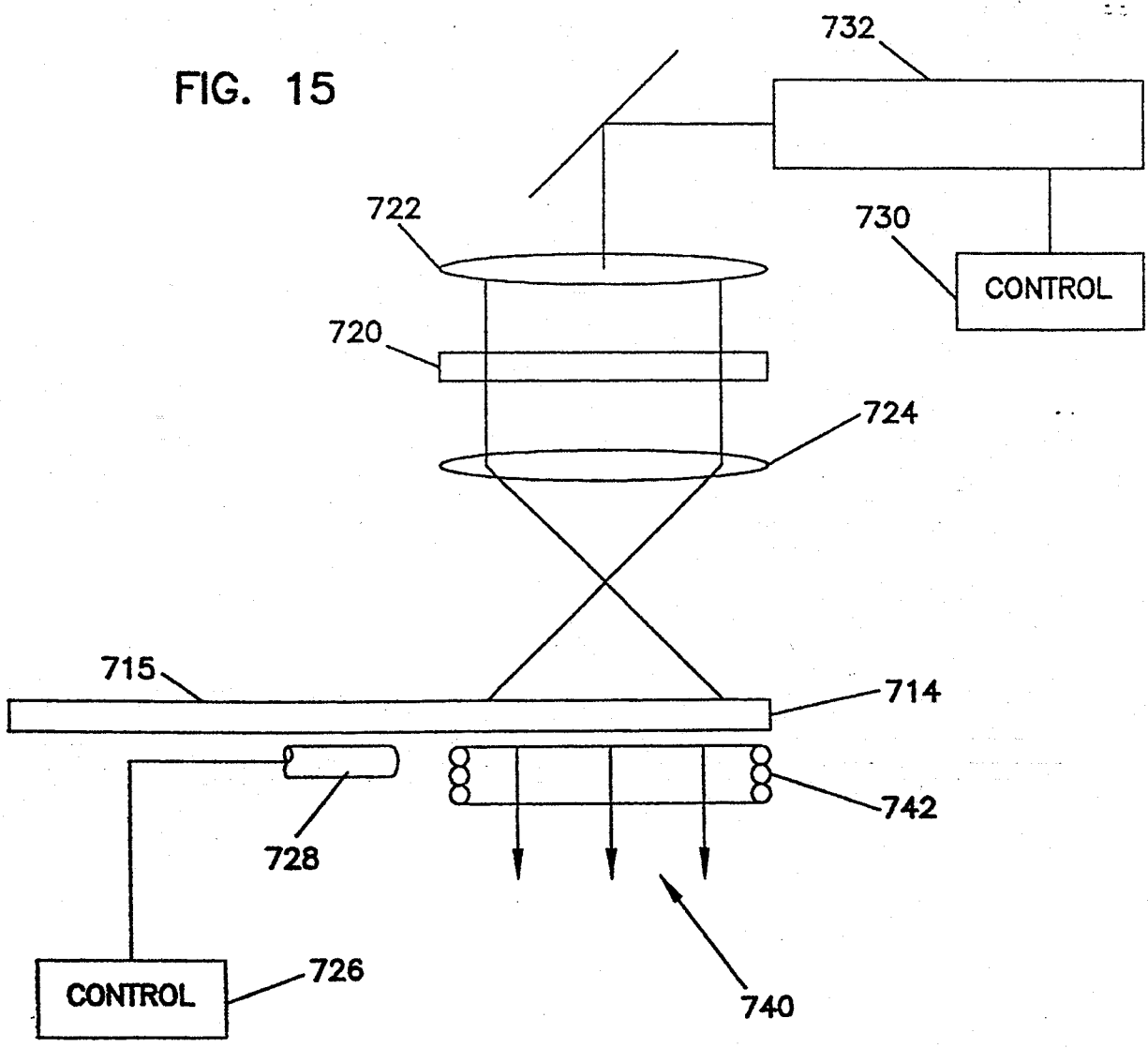

714
715
Disc Center
718
717
716

FIG. 15


732
722
730
CONTROL
720
724
715
714
742
728
CONTROL
726
740

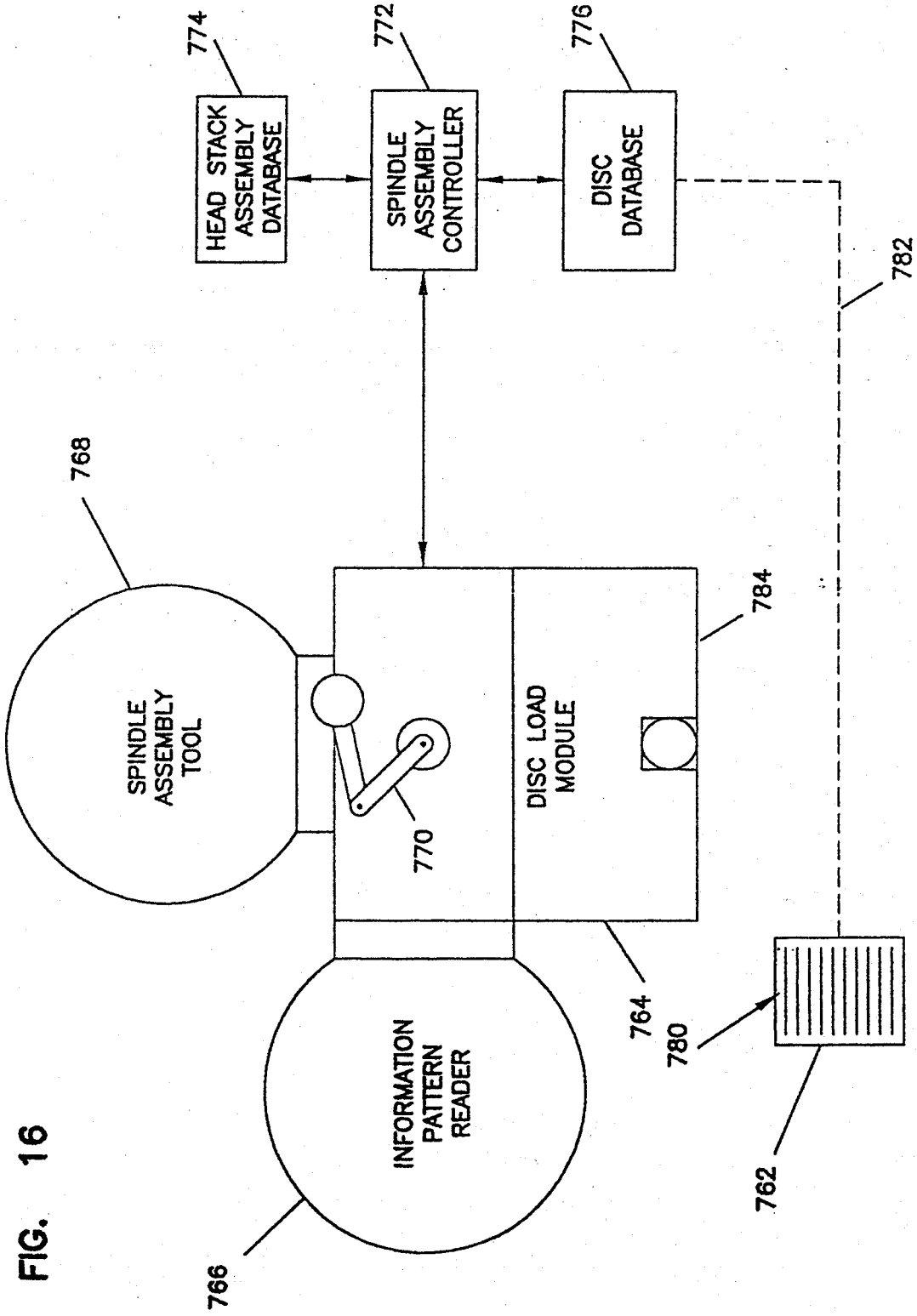

774
772
776
HEAD STACK ASSEMBLY DATABASE
SPINDLE ASSEMBLY CONTROLLER
DISC DATABASE
782
768
SPINDLE ASSEMBLY TOOL
770
DISC LOAD MODULE
784
764
780
762
INFORMATION PATTERN READER
766

FIG. 16

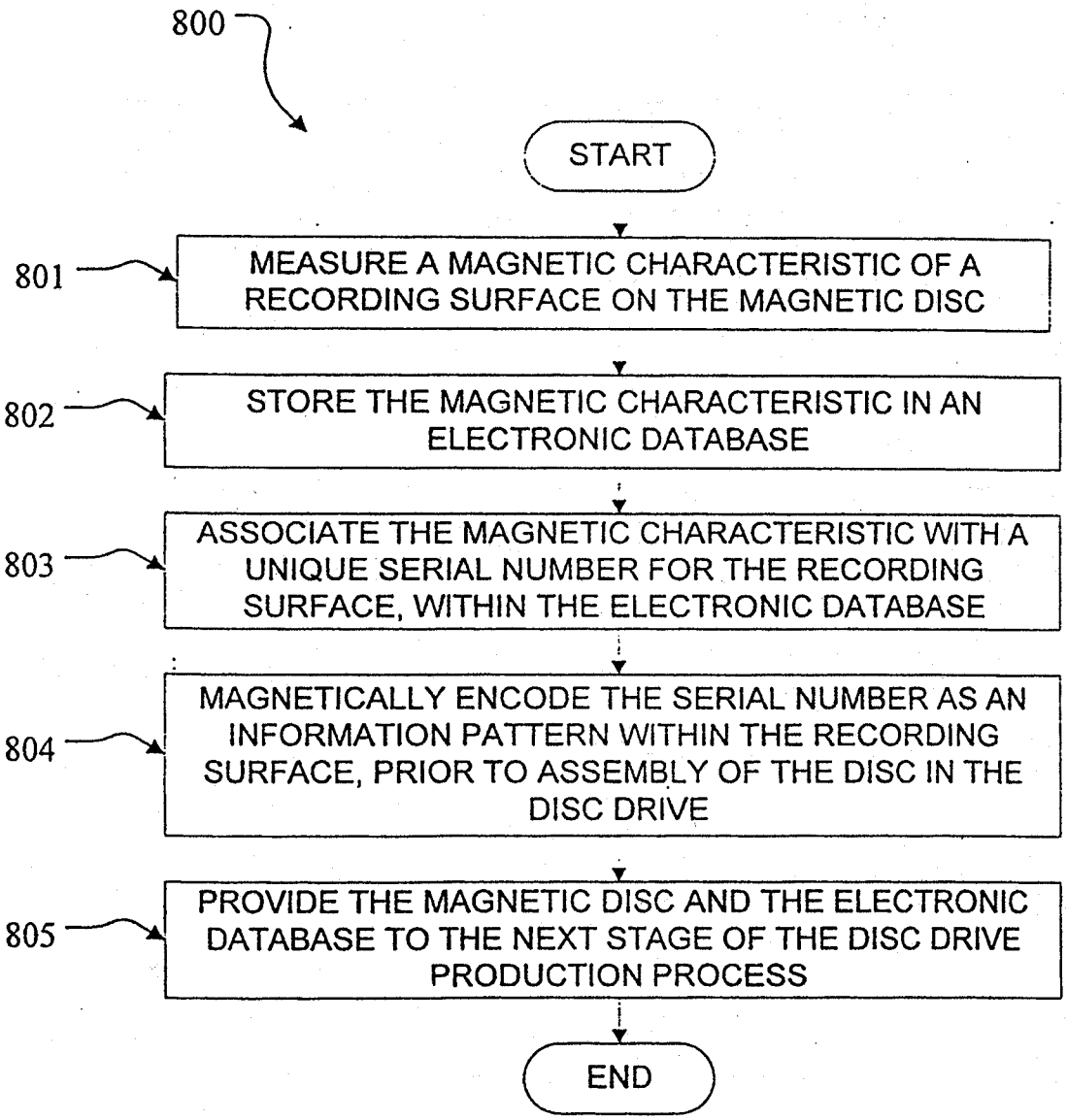

800
START
801
MEASURE A MAGNETIC CHARACTERISTIC OF A RECORDING SURFACE ON THE MAGNETIC DISC
802
STORE THE MAGNETIC CHARACTERISTIC IN AN ELECTRONIC DATABASE
803
ASSOCIATE THE MAGNETIC CHARACTERISTIC WITH A UNIQUE SERIAL NUMBER FOR THE RECORDING SURFACE, WITHIN THE ELECTRONIC DATABASE
804
MAGNETICALLY ENCODE THE SERIAL NUMBER AS AN INFORMATION PATTERN WITHIN THE RECORDING SURFACE, PRIOR TO ASSEMBLY OF THE DISC IN THE DISC DRIVE
805
PROVIDE THE MAGNETIC DISC AND THE ELECTRONIC DATABASE TO THE NEXT STAGE OF THE DISC DRIVE PRODUCTION PROCESS
END

FIG. 17

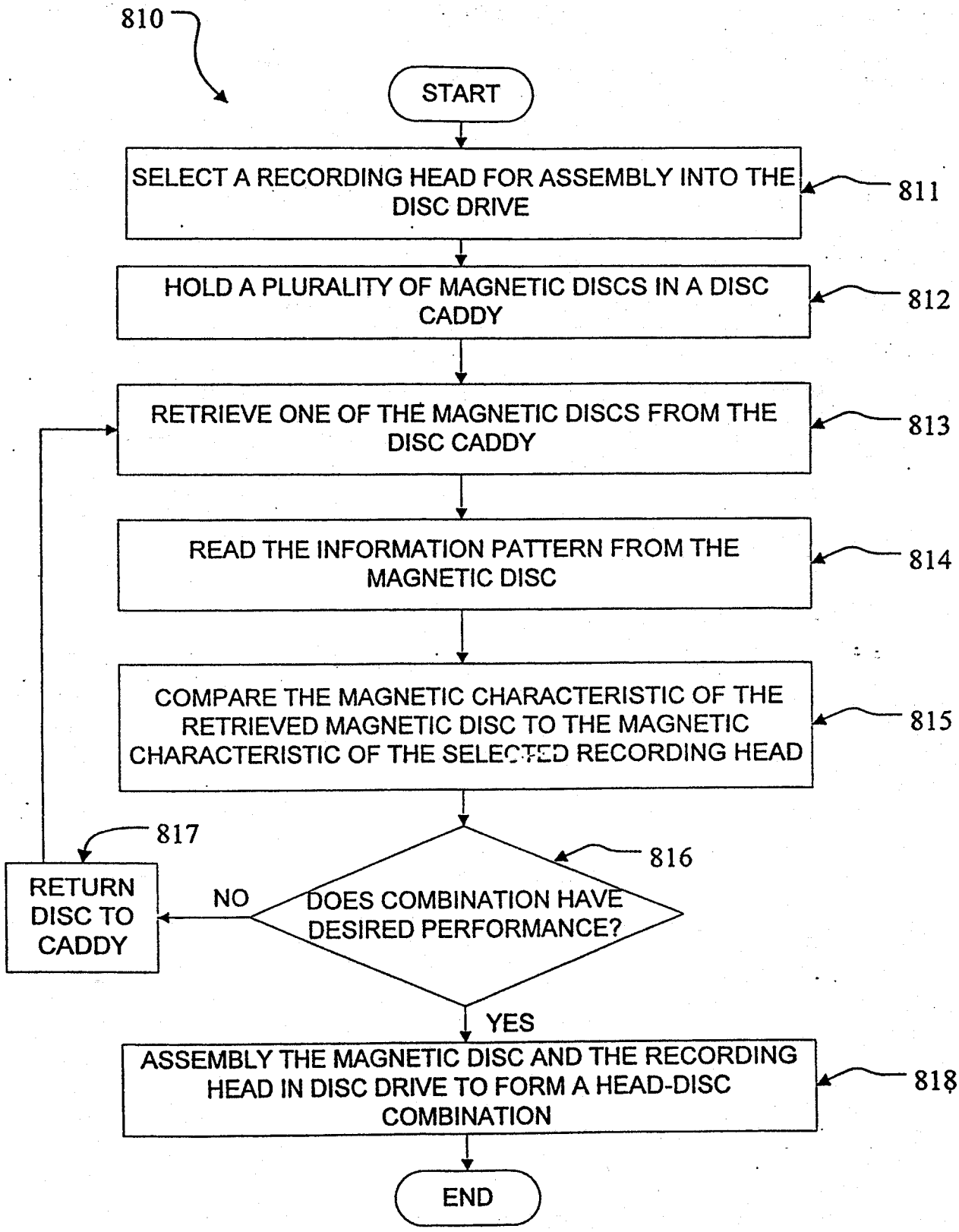

810
START
SELECT A RECORDING HEAD FOR ASSEMBLY INTO THE DISC DRIVE
811
HOLD A PLURALITY OF MAGNETIC DISCS IN A DISC CADDY
812
RETRIEVE ONE OF THE MAGNETIC DISCS FROM THE DISC CADDY
813
READ THE INFORMATION PATTERN FROM THE MAGNETIC DISC
814
COMPARE THE MAGNETIC CHARACTERISTIC OF THE RETRIEVED MAGNETIC DISC TO THE MAGNETIC CHARACTERISTIC OF THE SELECTED RECORDING HEAD
815
816
DOES COMBINATION HAVE DESIRED PERFORMANCE?
NO
817
RETURN DISC TO CADDY
YES
ASSEMBLY THE MAGNETIC DISC AND THE RECORDING HEAD IN DISC DRIVE TO FORM A HEAD-DISC COMBINATION
818
END

FIG. 18