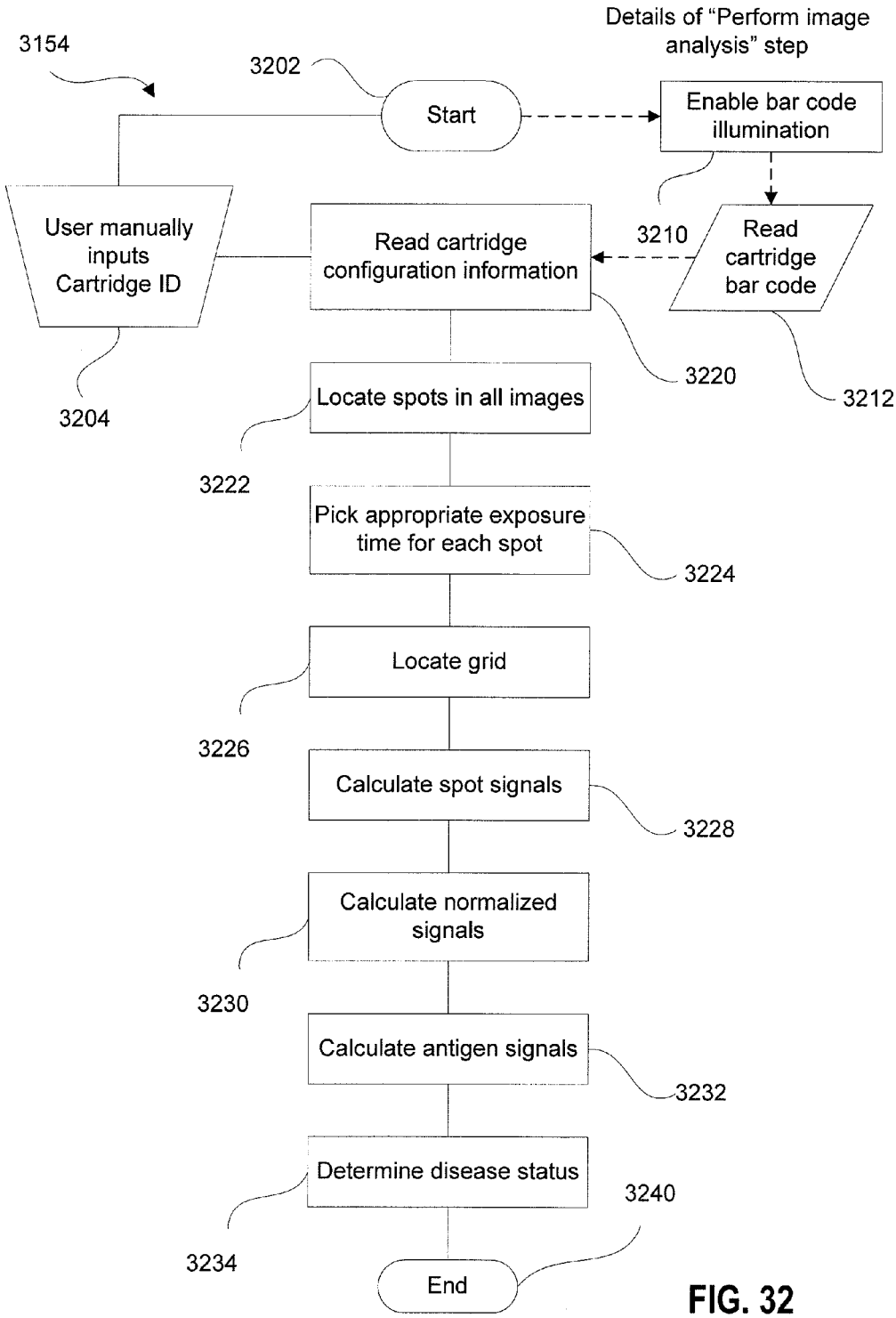
Details of "Perform image analysis" step
3154
3202
Start
Enable bar code illumination
User manually inputs Cartridge ID
Read cartridge configuration information
3210
Read cartridge bar code
3220
3212
3204
Locate spots in all images
3222
Pick appropriate exposure time for each spot
3224
Locate grid
3226
Calculate spot signals
3228
Calculate normalized signals
3230
Calculate antigen signals
3232
Determine disease status
3240
3234
End

FIG. 32