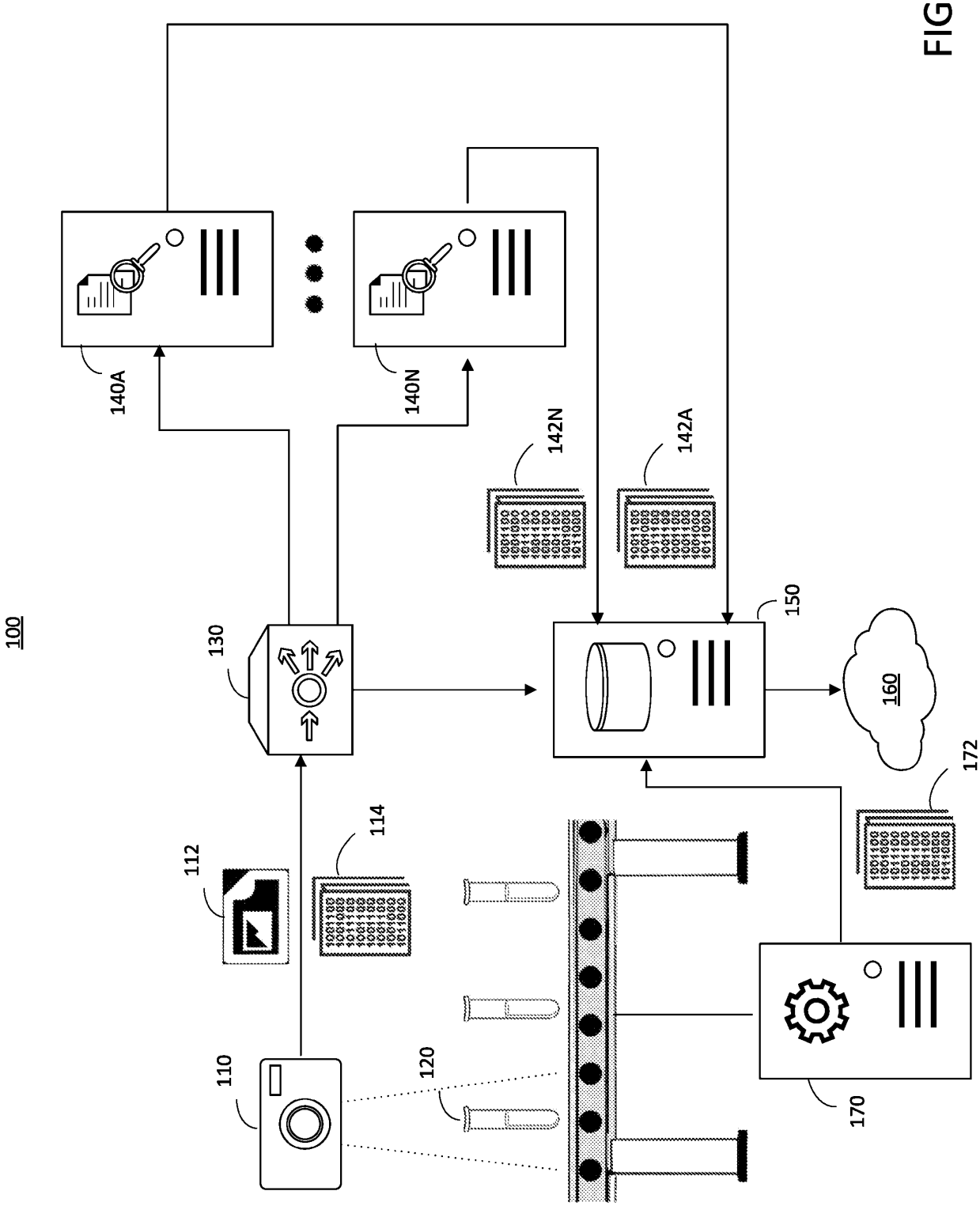
FIG. 1



200

Image Set # (210)	Filename (220)	Date (230)	Time (240)	Shutter Speed (250)	Serial # (260)	Lot ID (270)	Particles (280)	Plunger Depth (290)	***
00001	img0001.png	10/18/2023	15:13:27.000	10 ms	739271-3782	3456	No	20 mm	***
00002	img0002.png	10/18/2023	15:13:27.200	10 ms	739271-3783	3456	No	20 mm	***
00003	img0003.png	10/18/2023	15:13:27.400	10 ms	739271-3784	3456	No	21 mm	***
00004	img0004.png	10/18/2023	15:13:27.600	10 ms	739271-3785	3456	0.3 mm	20 mm	***
00005	img0005.png	10/18/2023	15:13:27.800	10 ms	739271-3786	3456	No	19 mm	***
00006	img0006.png	10/18/2023	15:13:28.000	10 ms	739271-3787	3456	No	32 mm	***
00007	img0007.png	10/18/2023	15:13:28.200	10 ms	739271-3788	3456	No	20 mm	***
***	***	***	***	***	***	***	***	***	***

FIG. 2

300

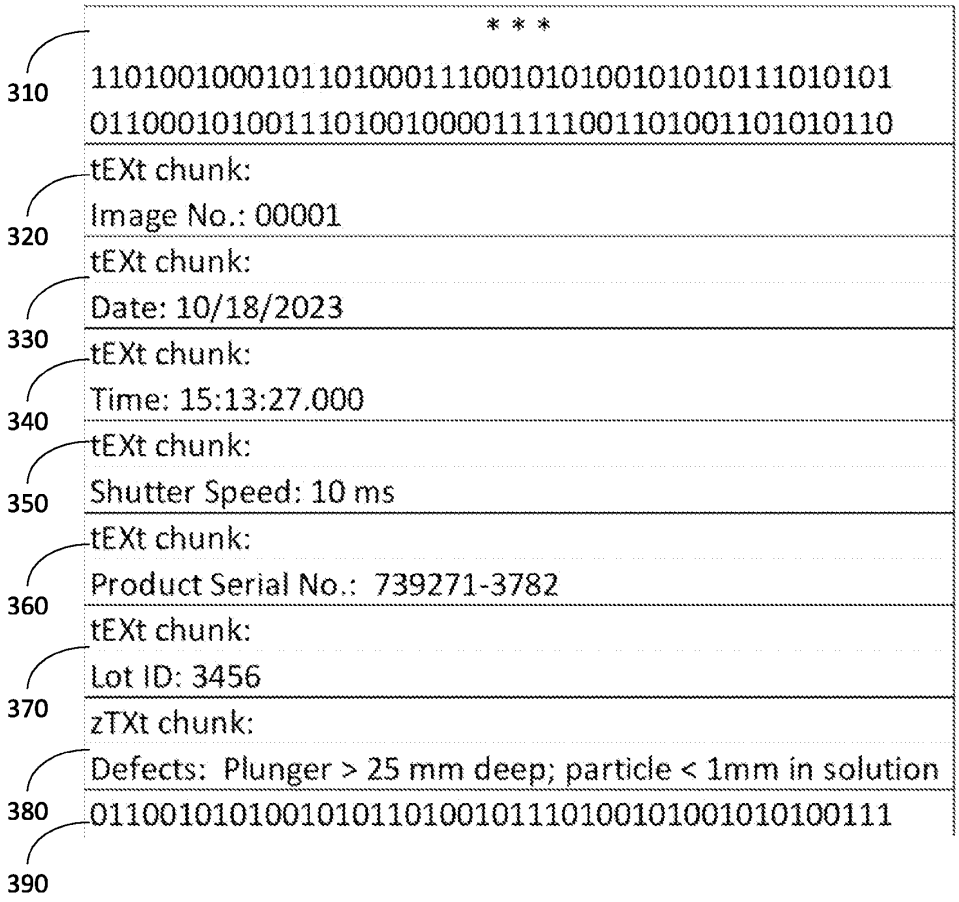
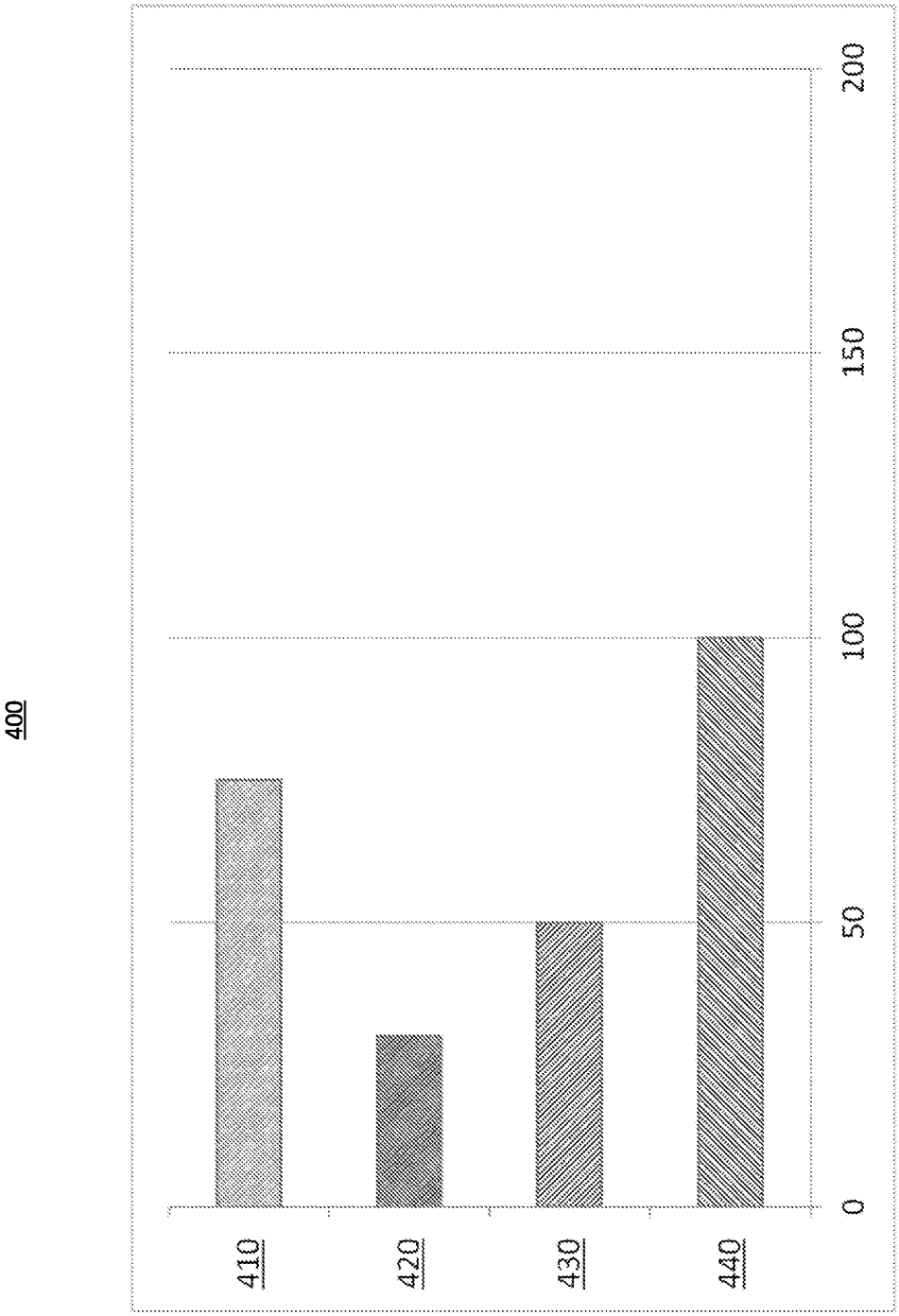

* * *
11010010001011010001110010101001010101110101010110000101001110100100001111100110100110101011000
tEXt chunk:
Image No.: 00001
tEXt chunk:
Date: 10/18/2023
tEXt chunk:
Time: 15:13:27.000
tEXt chunk:
Shutter Speed: 10 ms
tEXt chunk:
Product Serial No.: 739271-3782
tEXt chunk:
Lot ID: 3456
zTXt chunk:
Defects: Plunger > 25 mm deep; particle < 1mm in solution
0110010101001010110100101110100101001010100111
310
320
330
340
350
360
370
380
390

FIG. 3

FIG. 4



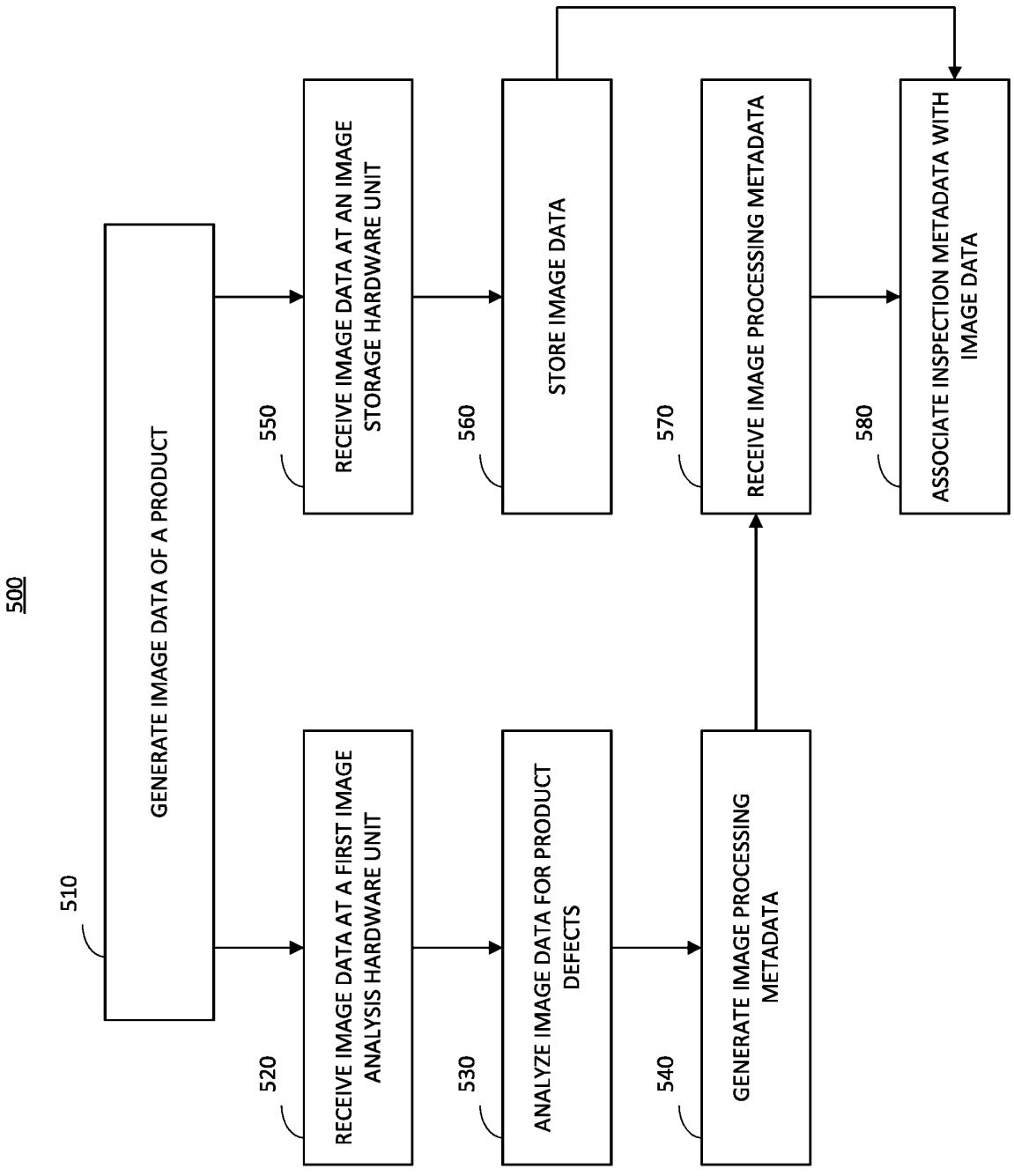

500
510
GENERATE IMAGE DATA OF A PRODUCT
520
RECEIVE IMAGE DATA AT A FIRST IMAGE ANALYSIS HARDWARE UNIT
530
ANALYZE IMAGE DATA FOR PRODUCT DEFECTS
540
GENERATE IMAGE PROCESSING METADATA
550
RECEIVE IMAGE DATA AT AN IMAGE STORAGE HARDWARE UNIT
560
STORE IMAGE DATA
570
RECEIVE IMAGE PROCESSING METADATA
580
ASSOCIATE INSPECTION METADATA WITH IMAGE DATA

FIG. 5