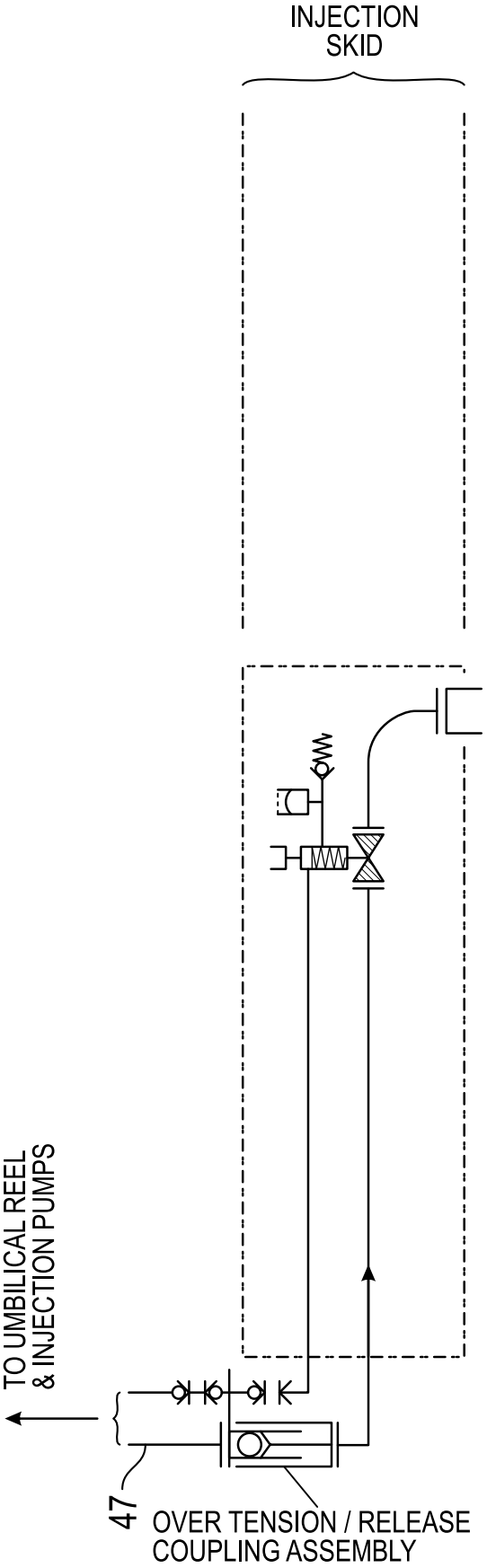

INJECTION
SKID
TO UMBILICAL REEL
& INJECTION PUMPS
47
OVER TENSION / RELEASE
COUPLING ASSEMBLY

FIG. 1

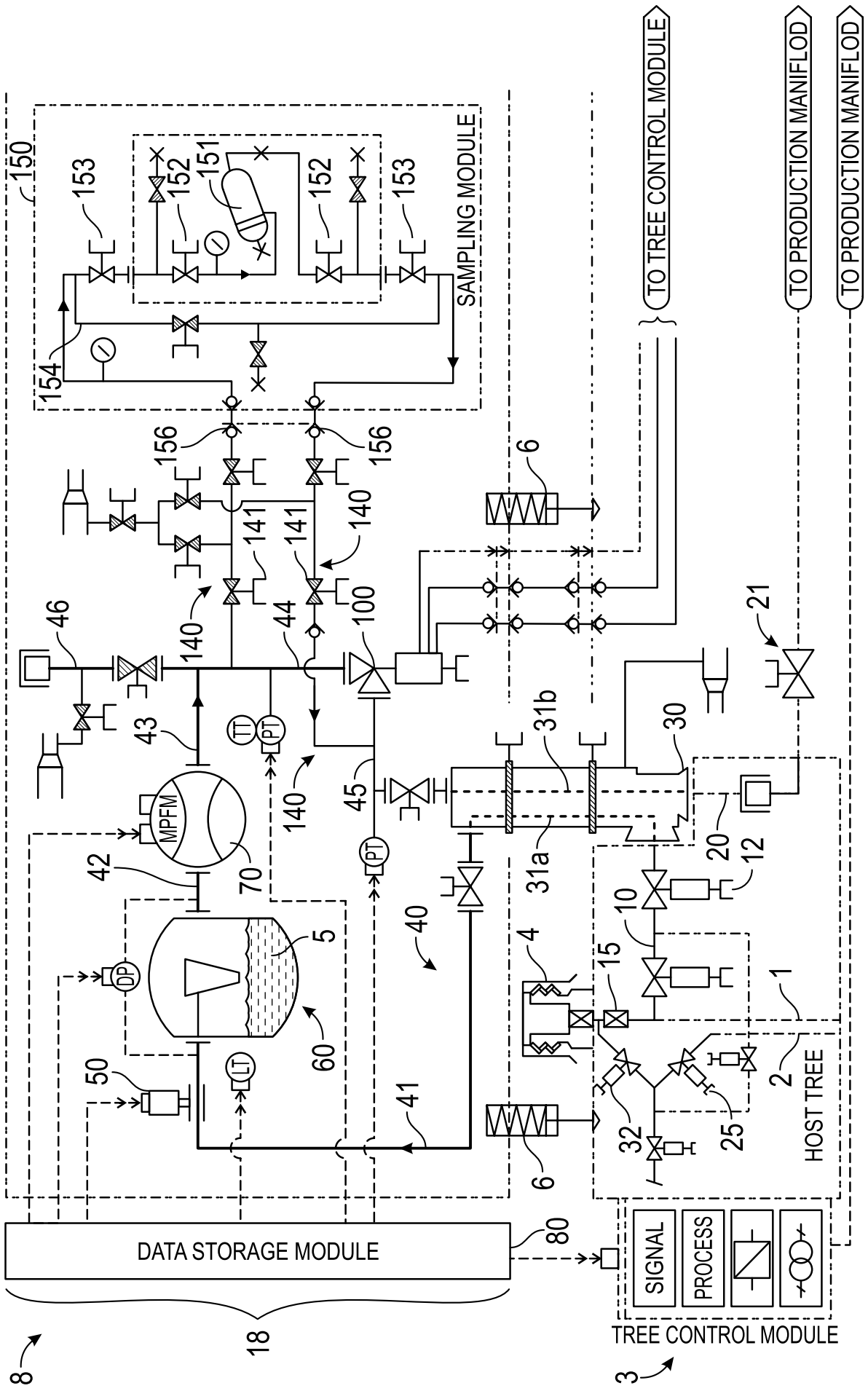


FIG. 1 (Continued)

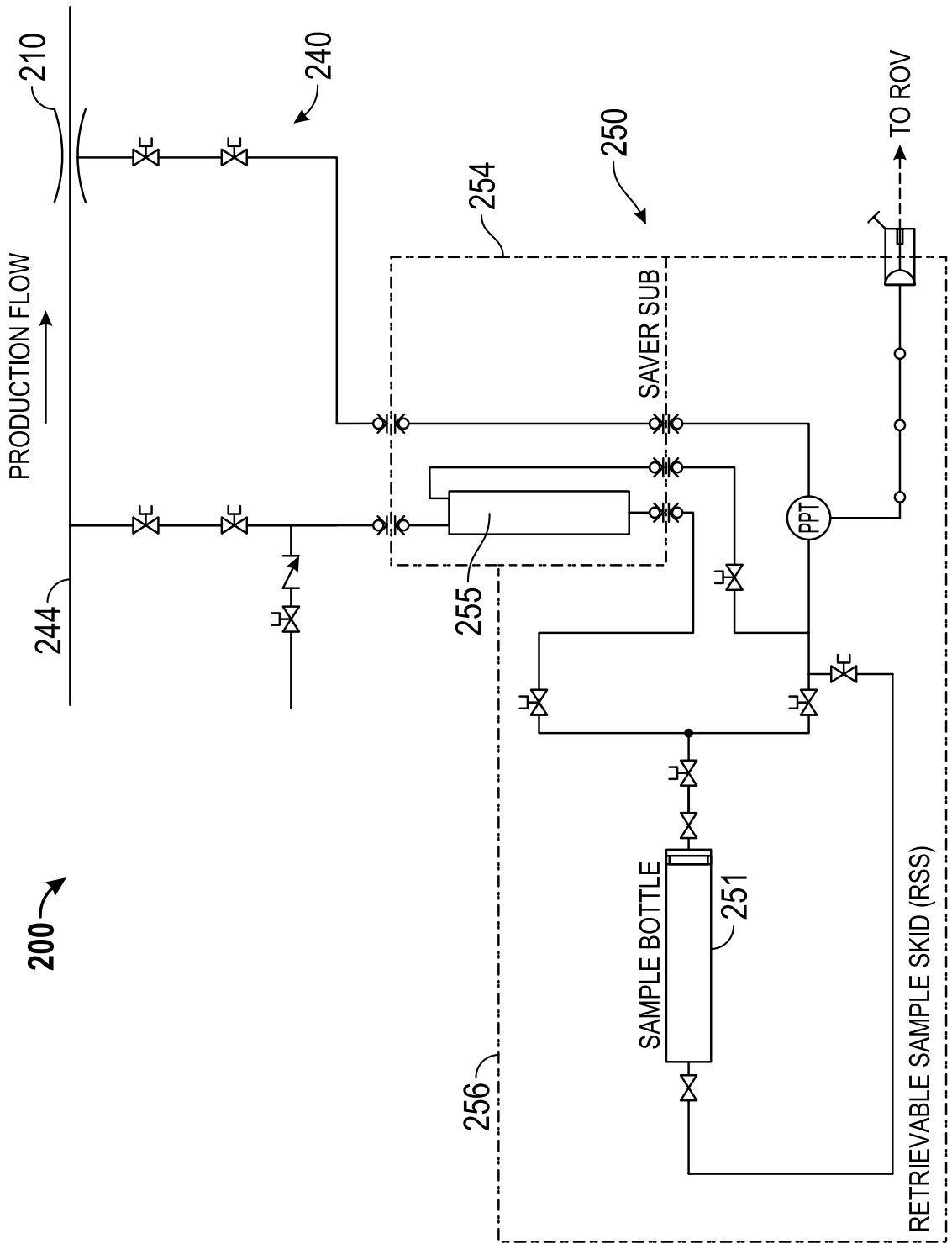

200
210
240
250
254
TO ROV
PRODUCTION FLOW
SAVER SUB
PPT
244
255
SAMPLE BOTTLE
251
256
RETRIEVABLE SAMPLE SKID (RSS)

FIG. 2

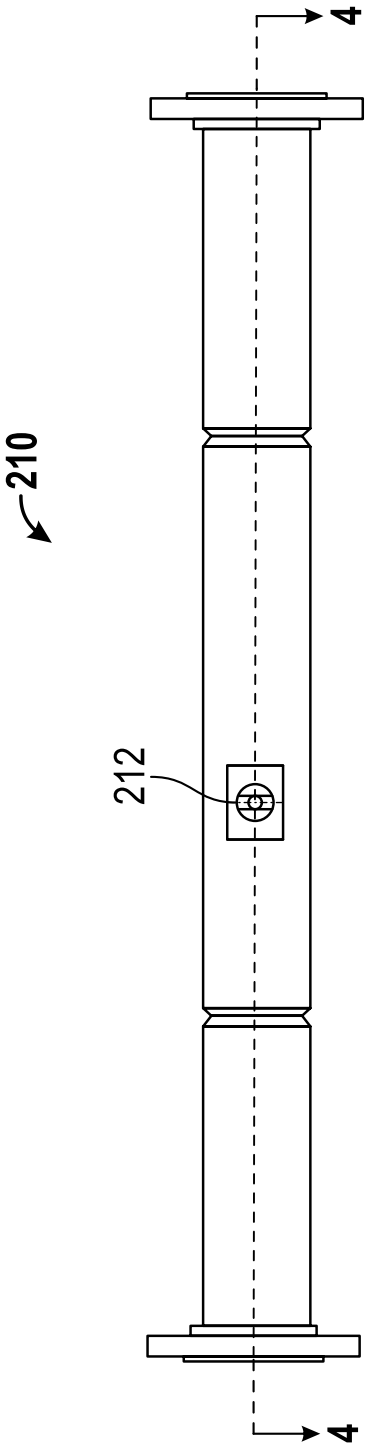


FIG. 3

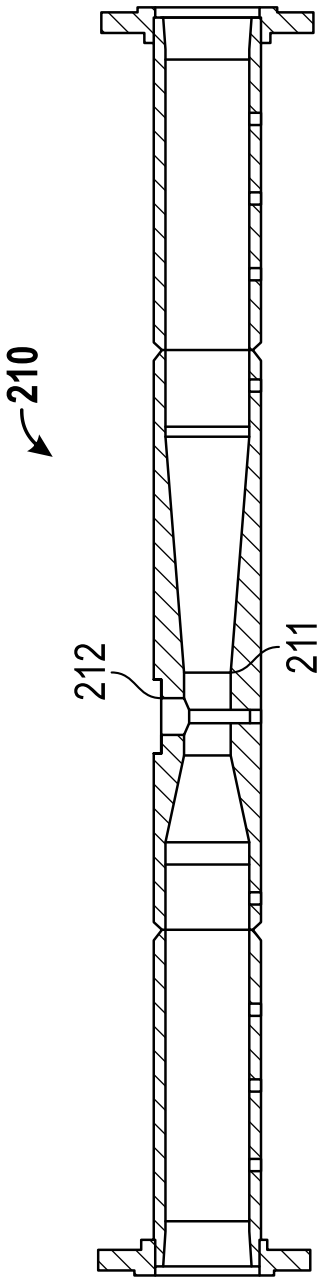


FIG. 4

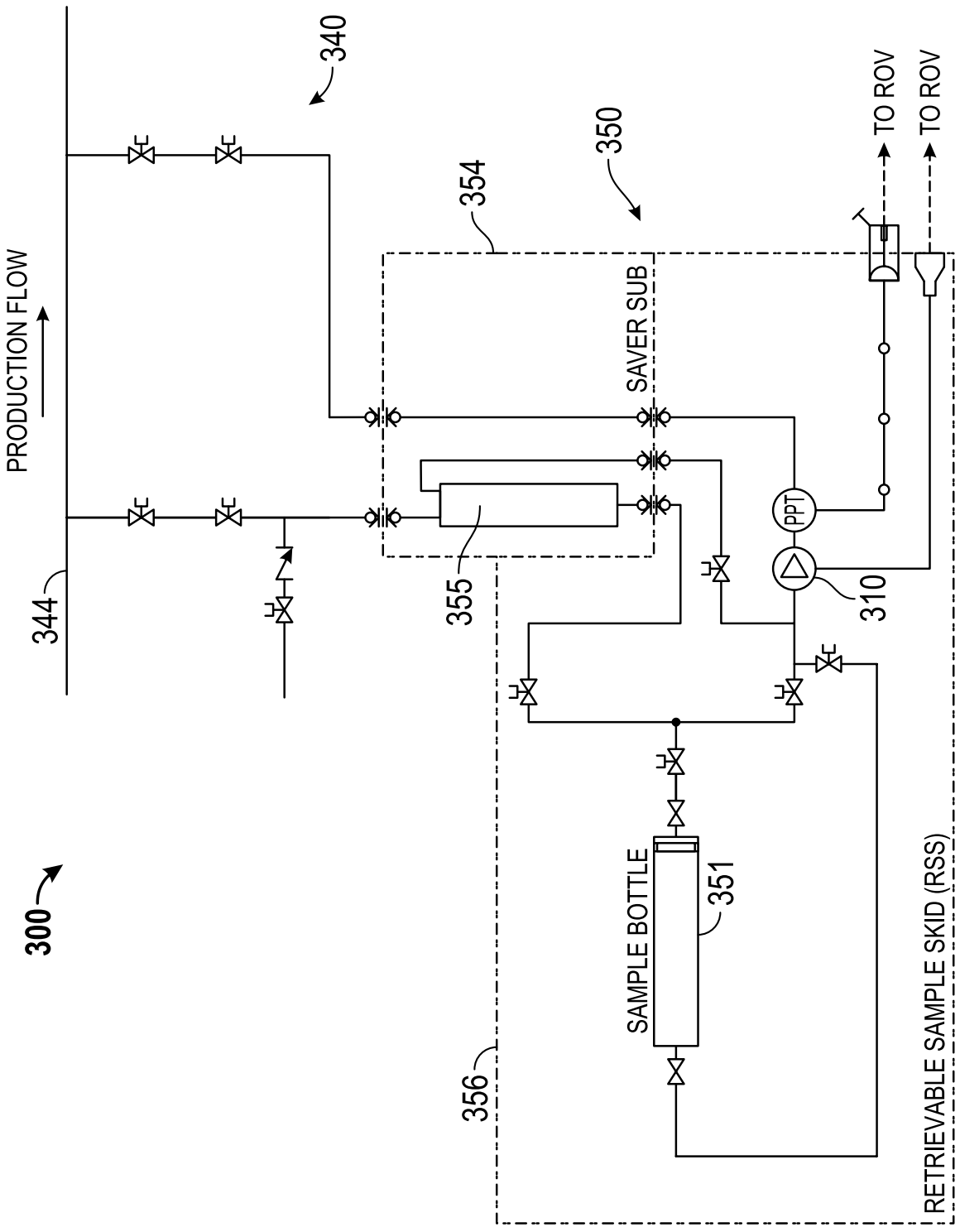

300
PRODUCTION FLOW
344
340
354
350
355
SAVER SUB
TO ROV
TO ROV
PPT
310
SAMPLE BOTTLE
351
356
RETRIEVABLE SAMPLE SKID (RSS)

FIG. 5

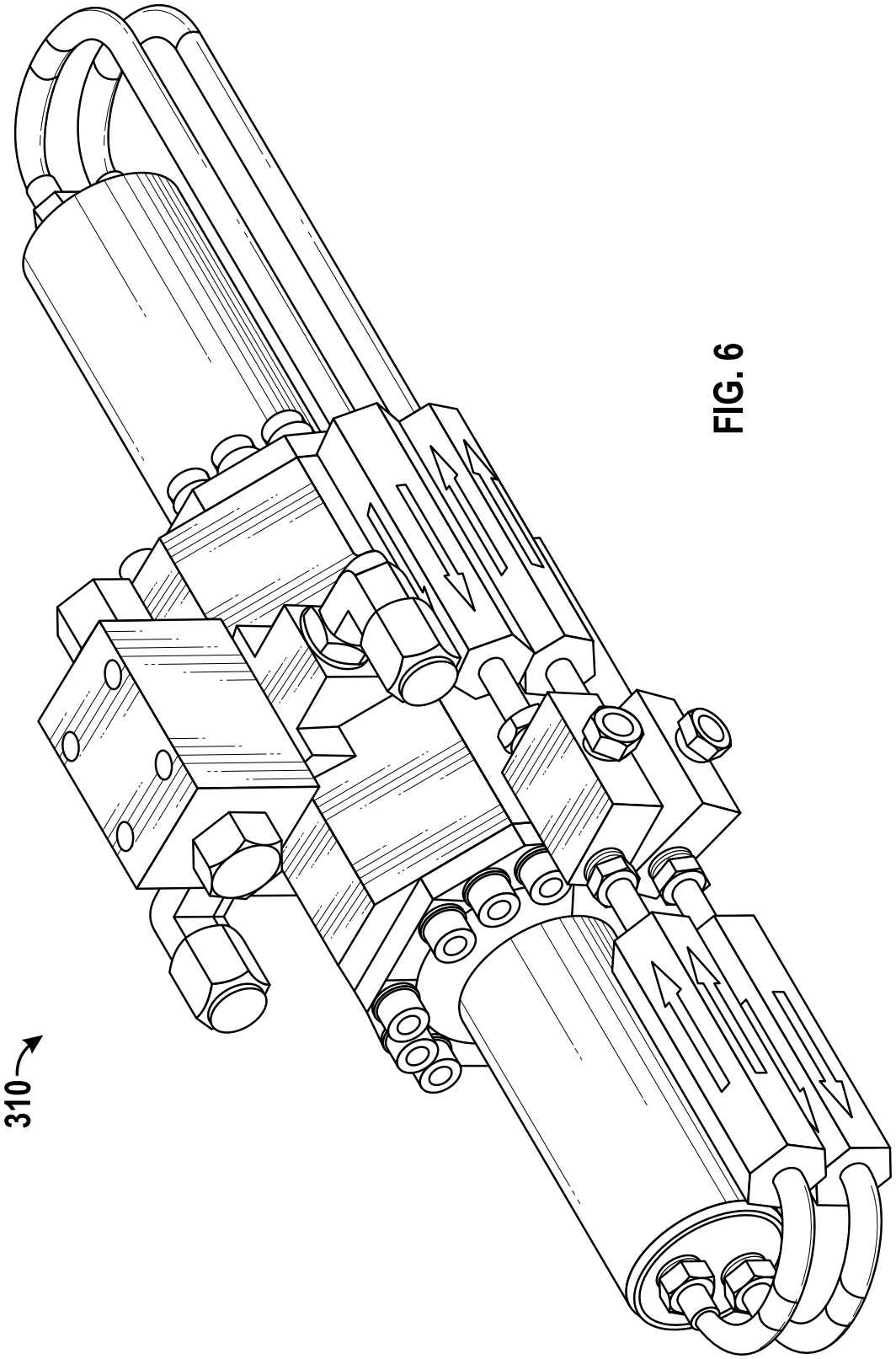


FIG. 6

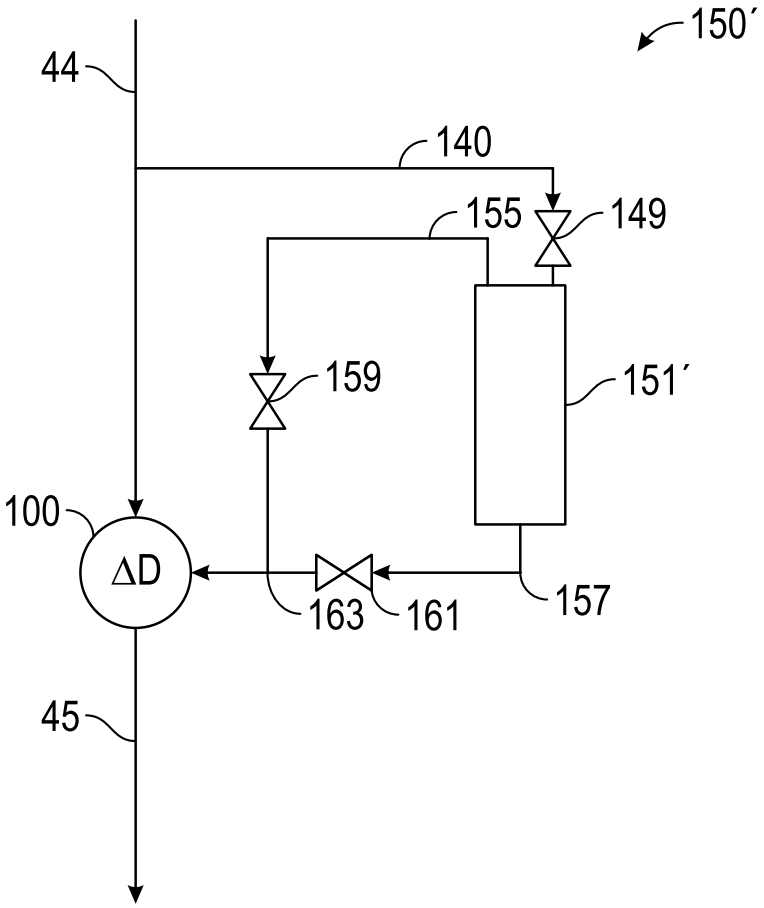
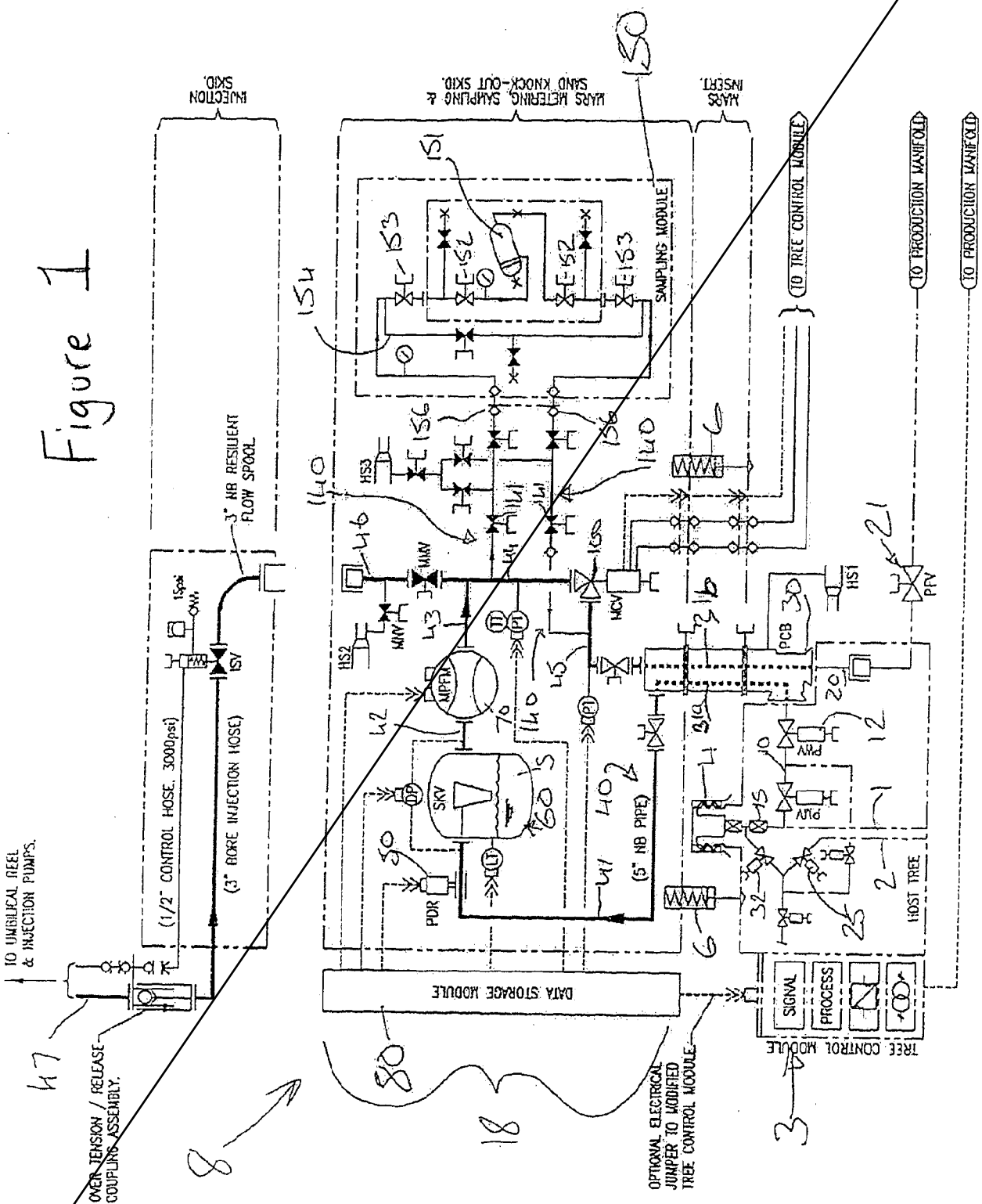


FIG. 7

Figure 1


INJECTION SKID.
MARS METERING, SAMPLING & SAND KNOCK-OUT SKID.
MARS INSERT.
SAMPLING MODULE
TO TREE CONTROL MODULE
TO PRODUCTION MANIFOLD
TO PRODUCTION MANIFOLD
3" NB RESILIENT FLOW SPOOL
(1/2" CONTROL HOSE, 3000psi)
(3" BORE INJECTION HOSE)
ISV
MPFM
SKV
PDR
MAV
MCV
PCV
PWV
PSV
PCB
(5" NB PIPE)
DATA STORAGE MODULE
TREE CONTROL MODULE
SIGNAL
PROCESS
HOST TREE
TO UMBILICAL REEL & INJECTION PUMPS.
OVER TENSION / RELEASE COUPLING ASSEMBLY.
OPTIONAL ELECTRICAL JUMPER TO MODIFIED TREE CONTROL MODULE

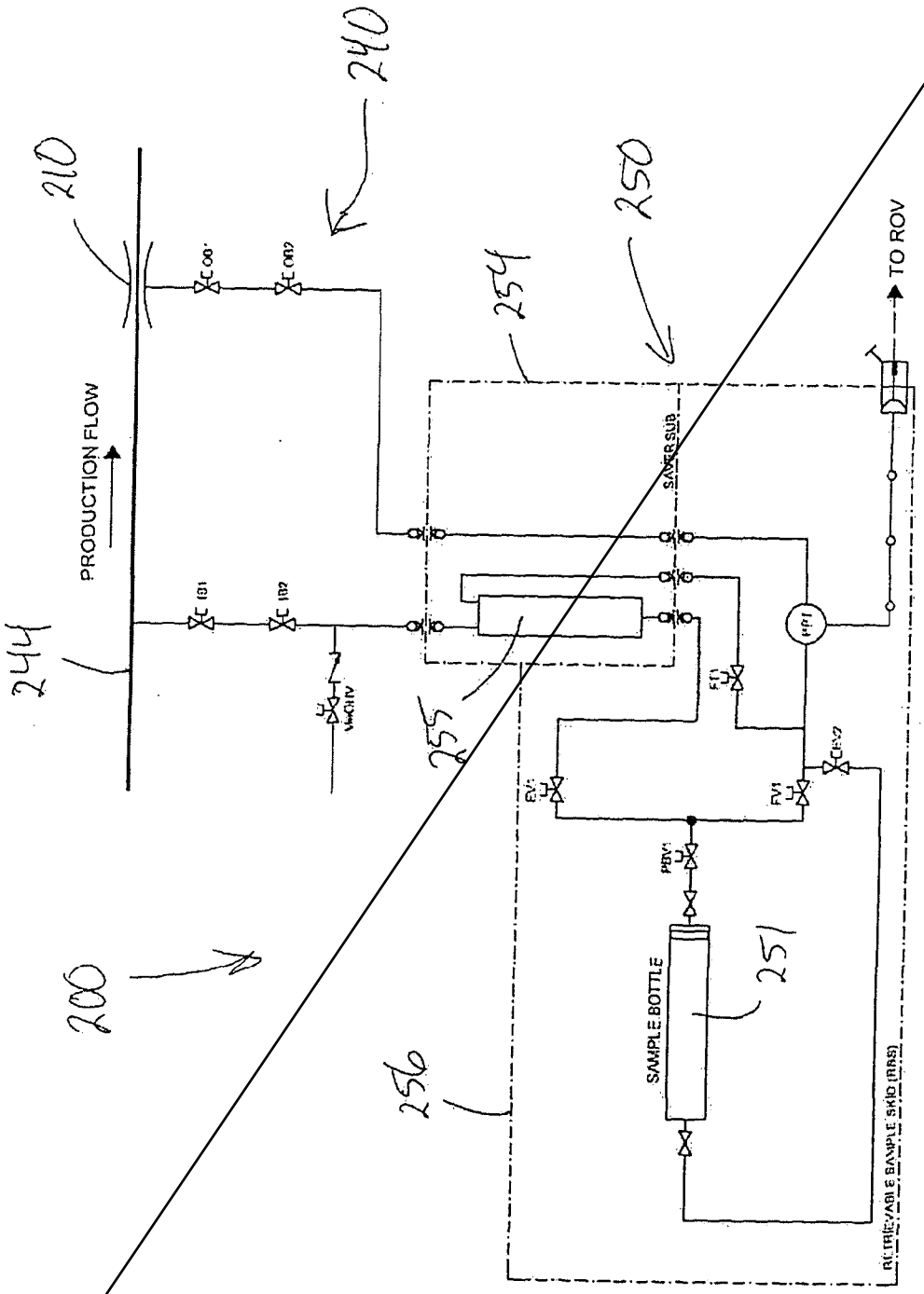

200
210
240
250
254
255
256
244
PRODUCTION FLOW
IB1
IB2
SAVER SUB
TO ROV
SAMPLE BOTTLE
251
RETRIEVABLE SAMPLE SKID (RSS)

Figure 2

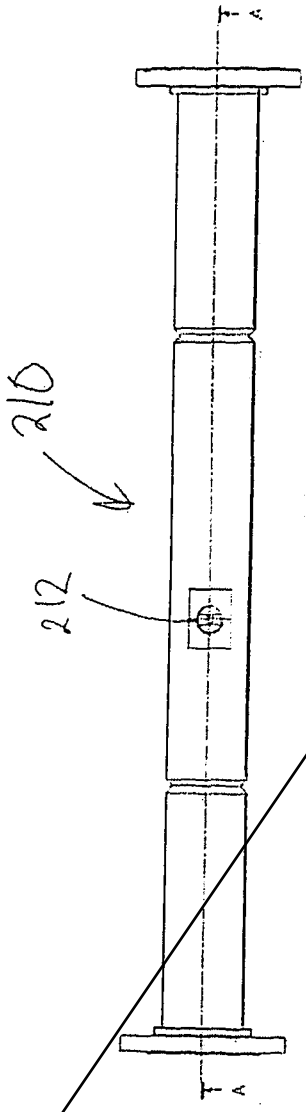


Figure 3

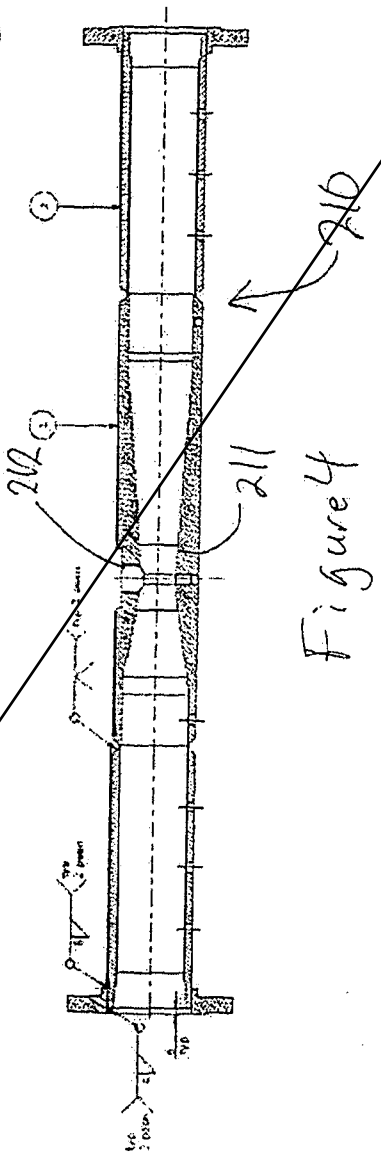


Figure 4

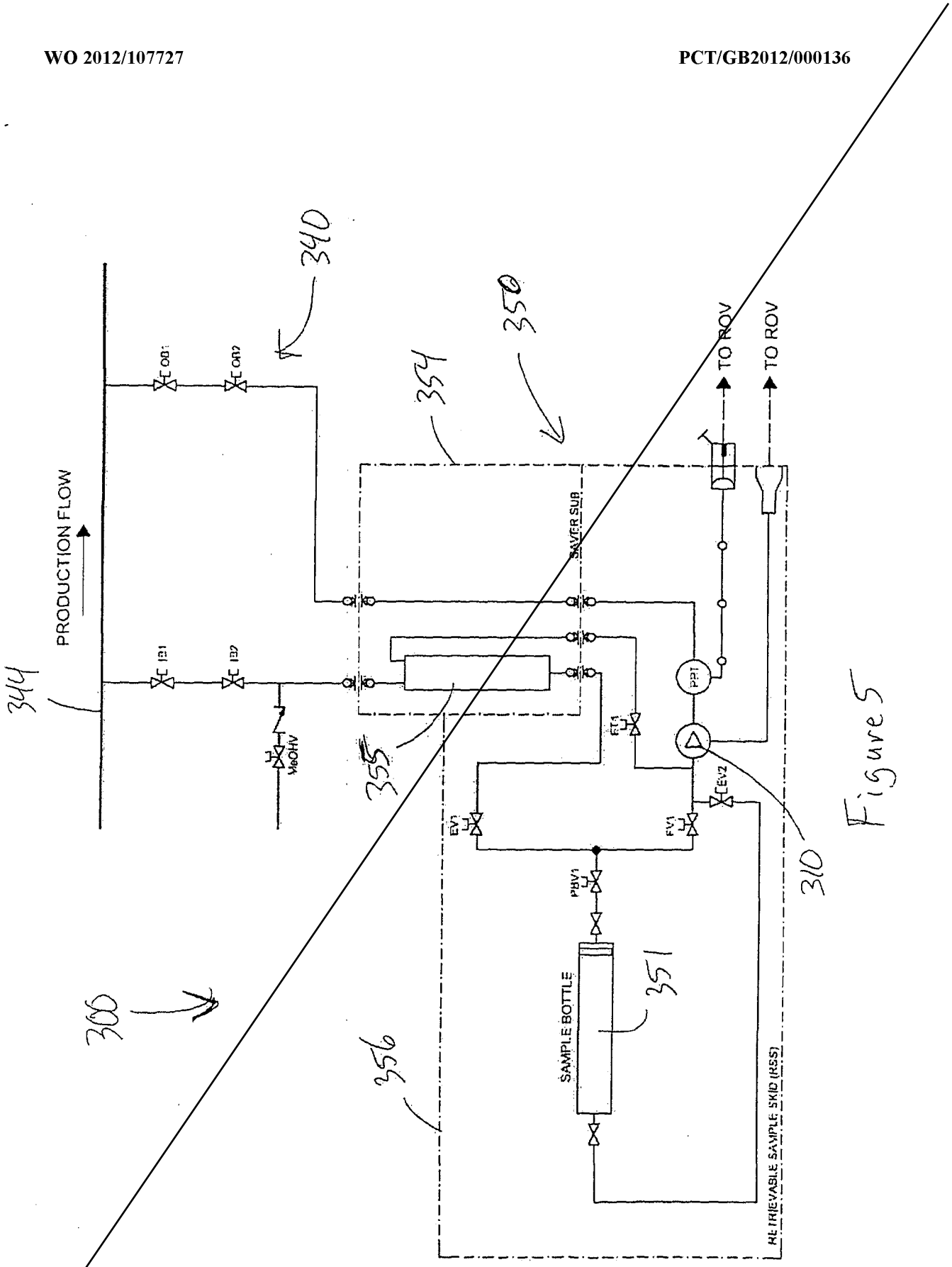

340
350
354
344
355
300
356
310
351
PRODUCTION FLOW
MeOH
SAVER SUB
TO ROV
TO ROV
SAMPLE BOTTLE
RETRIEVABLE SAMPLE SKID (RSS)

Figure 5

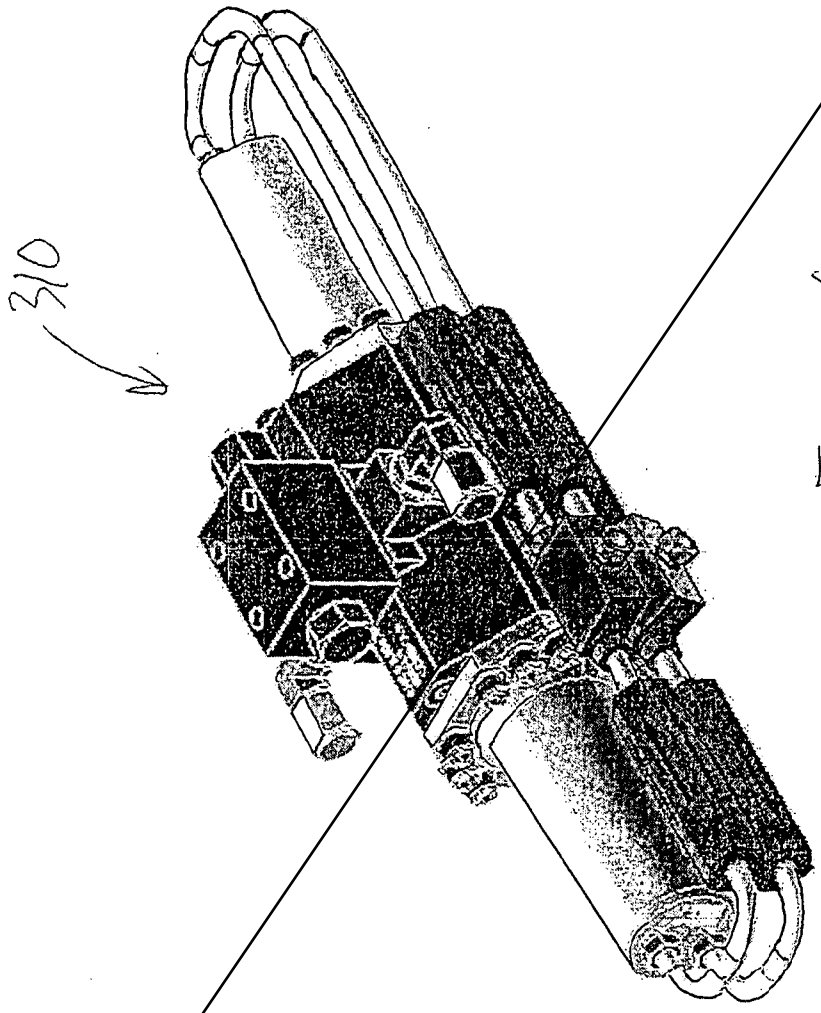


Figure 6

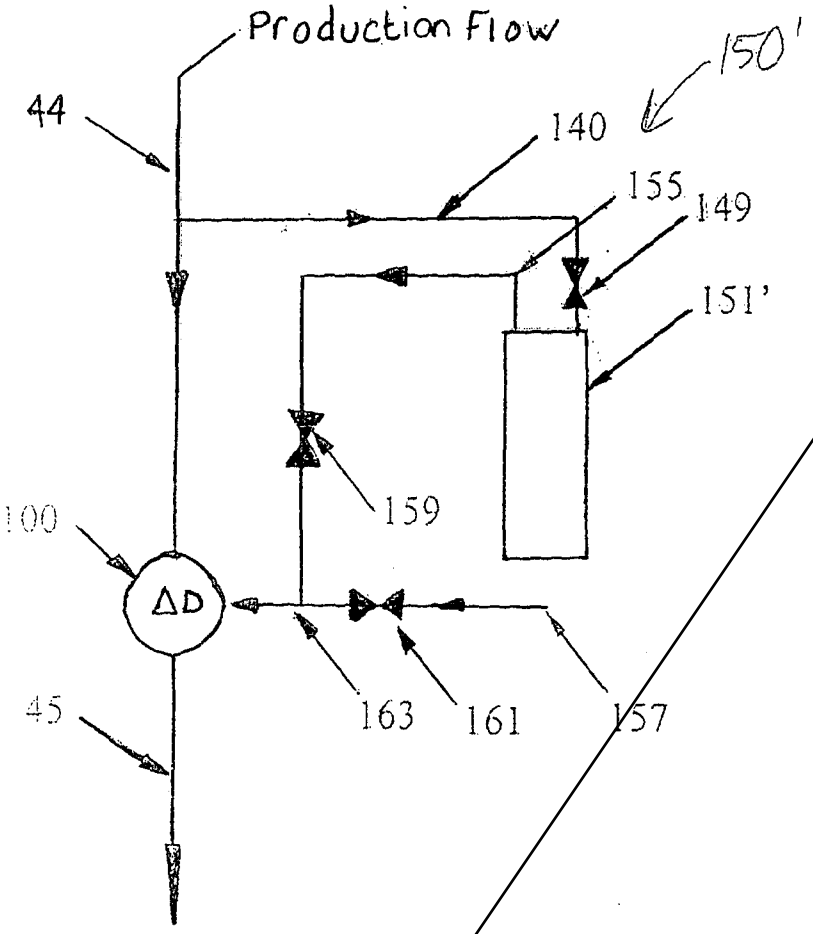

Production Flow
150'
44
140
155
149
151'
159
100
ΔD
45
163
161
157

Figure 7