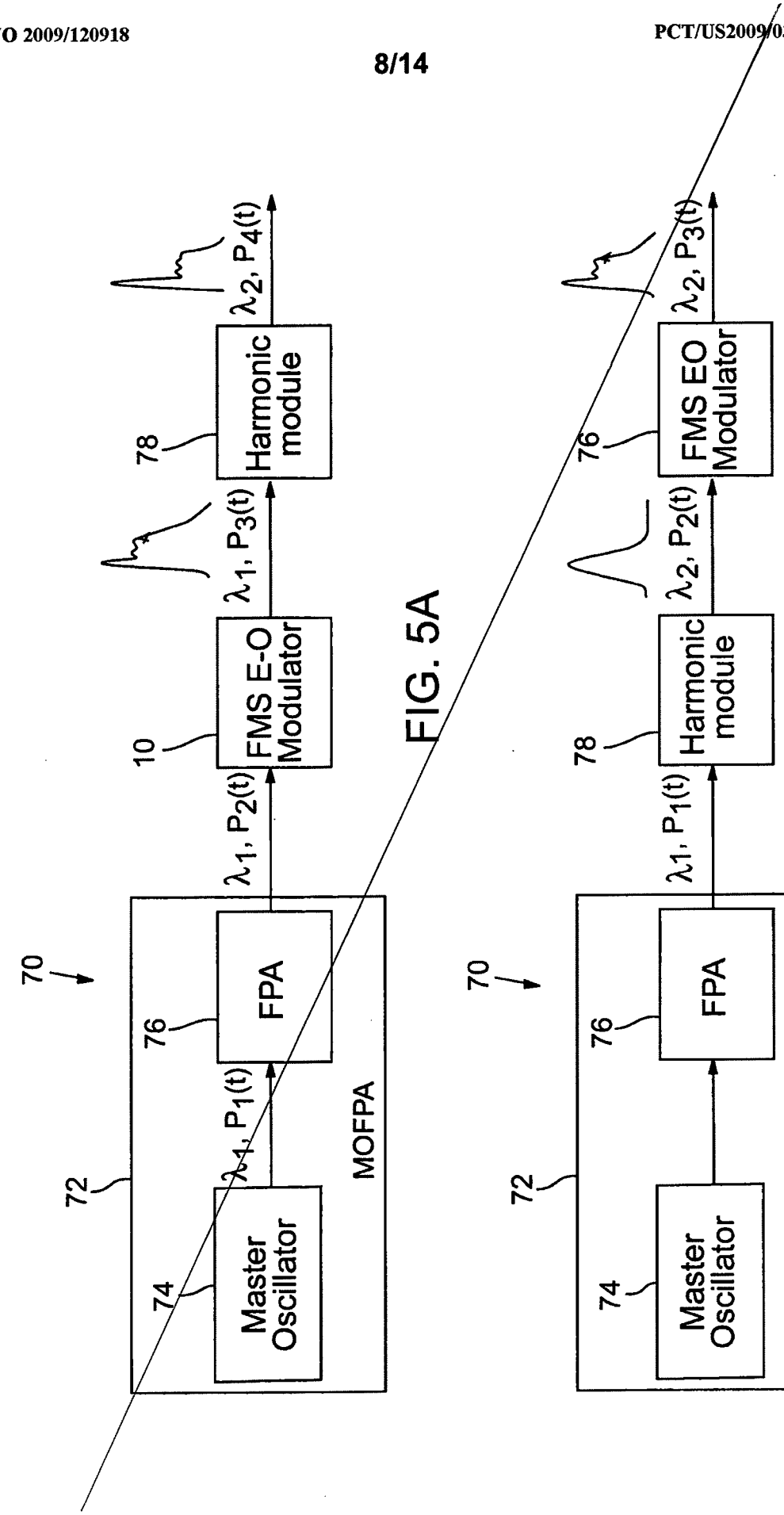

70
72
MOFPA
74
Master Oscillator
$\lambda_1, P_1(t)$
76
FPA
$\lambda_1, P_2(t)$
10
FMS E-O Modulator
$\lambda_1, P_3(t)$
78
Harmonic module
$\lambda_2, P_4(t)$

FIG. 5A

70
72
MOFPA
74
Master Oscillator
$\lambda_1, P_1(t)$
76
FPA
$\lambda_2, P_2(t)$
78
Harmonic module
$\lambda_2, P_3(t)$
76
FMS EO Modulator

FIG. 5B

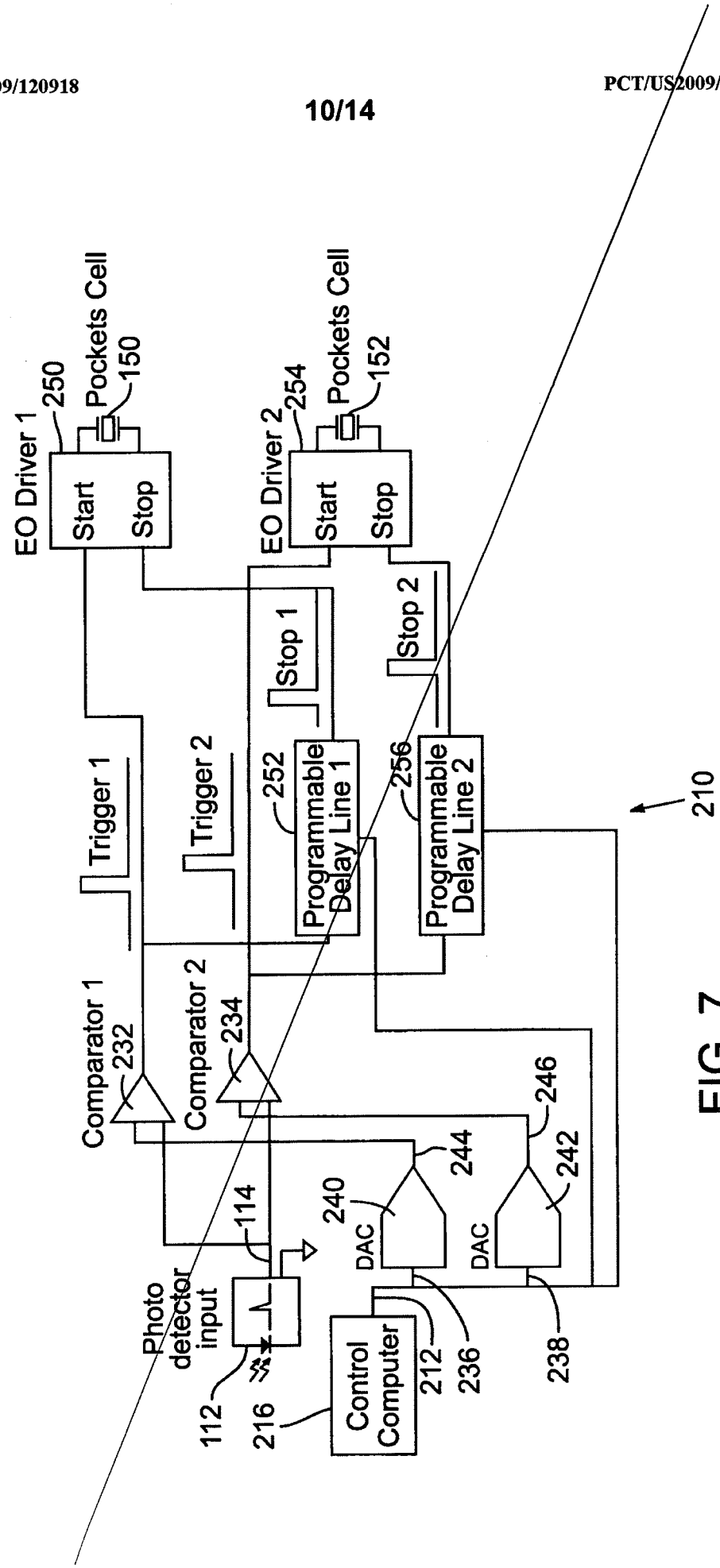

EO Driver 1
250
Pockets Cell
150
Start
Stop
EO Driver 2
254
Pockets Cell
152
Start
Stop
Stop 1
Stop 2
Trigger 1
Trigger 2
252
Programmable Delay Line 1
256
Programmable Delay Line 2
210
Comparator 1
232
Comparator 2
234
246
244
242
240
DAC
DAC
114
Photo detector input
112
216
Control Computer
212
236
238

FIG. 7

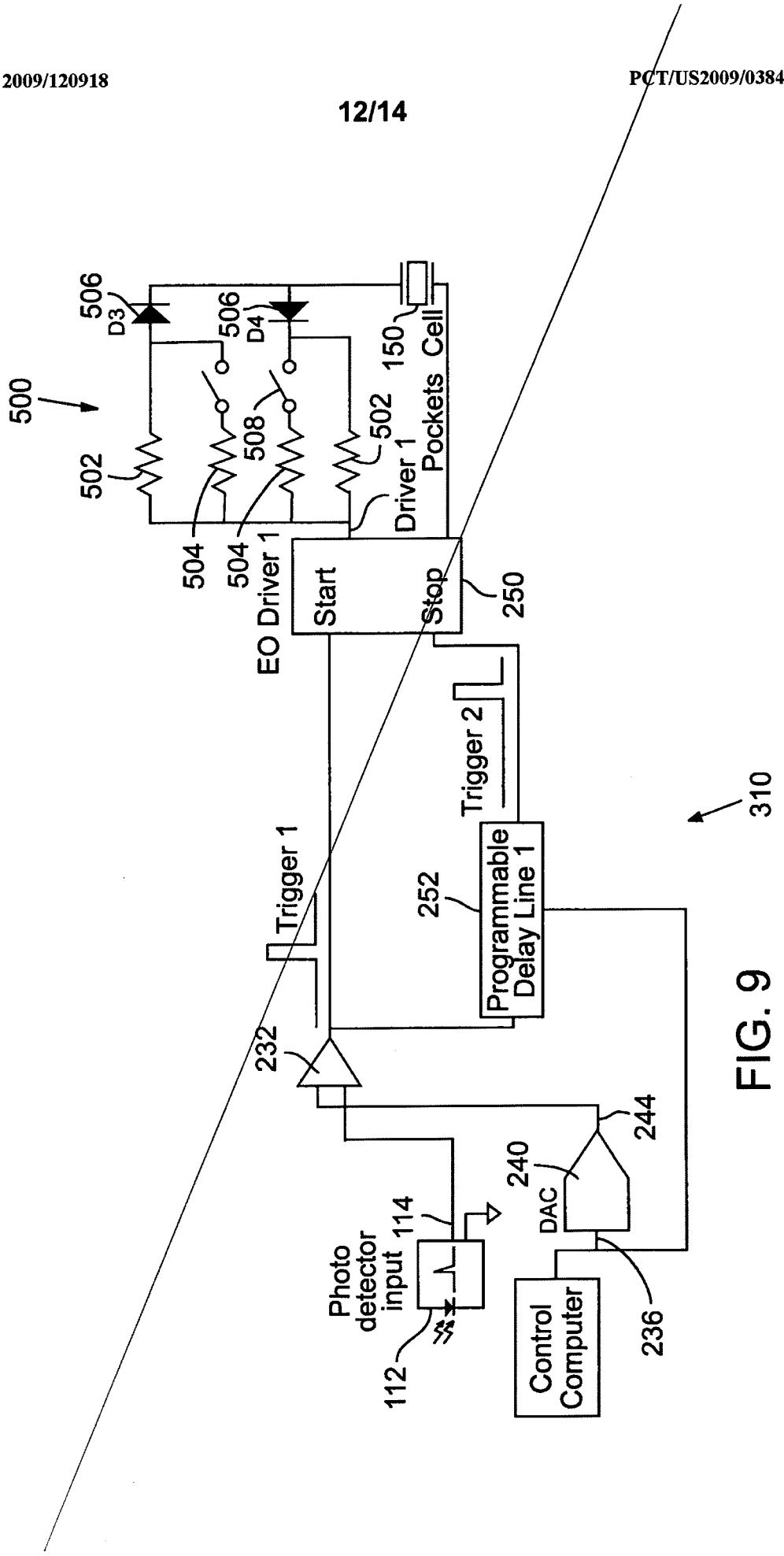

500
502
506
D3
506
D4
150
Cell
Pockets
Driver 1
502
508
502
504
504
EO Driver 1
Start
Stop
250
Trigger 2
Trigger 1
252
Programmable
Delay Line 1
310
232
244
240
DAC
114
Photo
detector
input
112
Control
Computer
236

FIG. 9

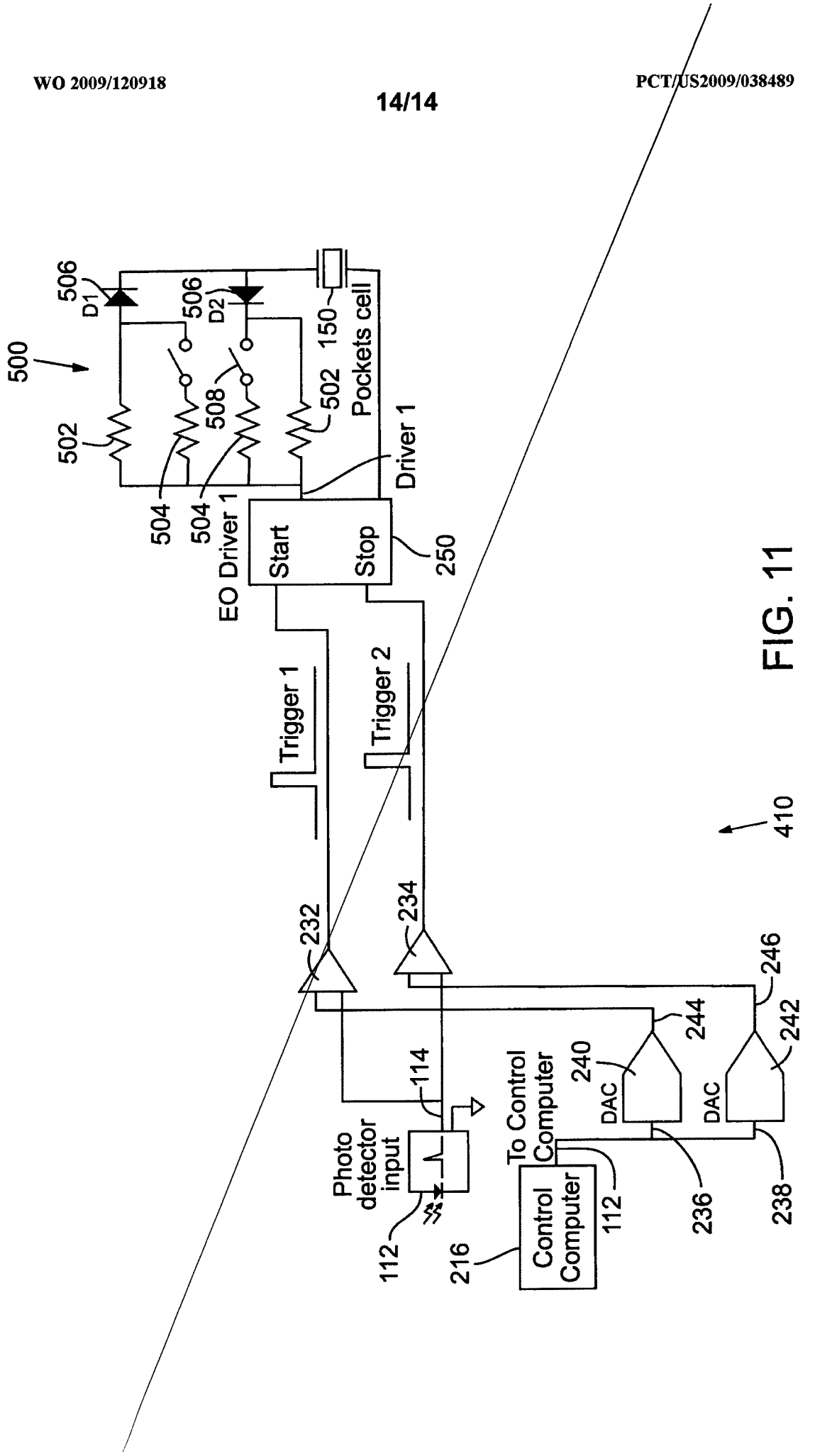

500
506
D1
506
D2
150
Pockets cell
502
508
502
502
504
504
EO Driver 1
Driver 1
Start
Stop
250
Trigger 1
Trigger 2
410
232
234
246
244
242
240
DAC
DAC
114
Photo detector input
To Control Computer
112
216
Control Computer
112
236
238

FIG. 11

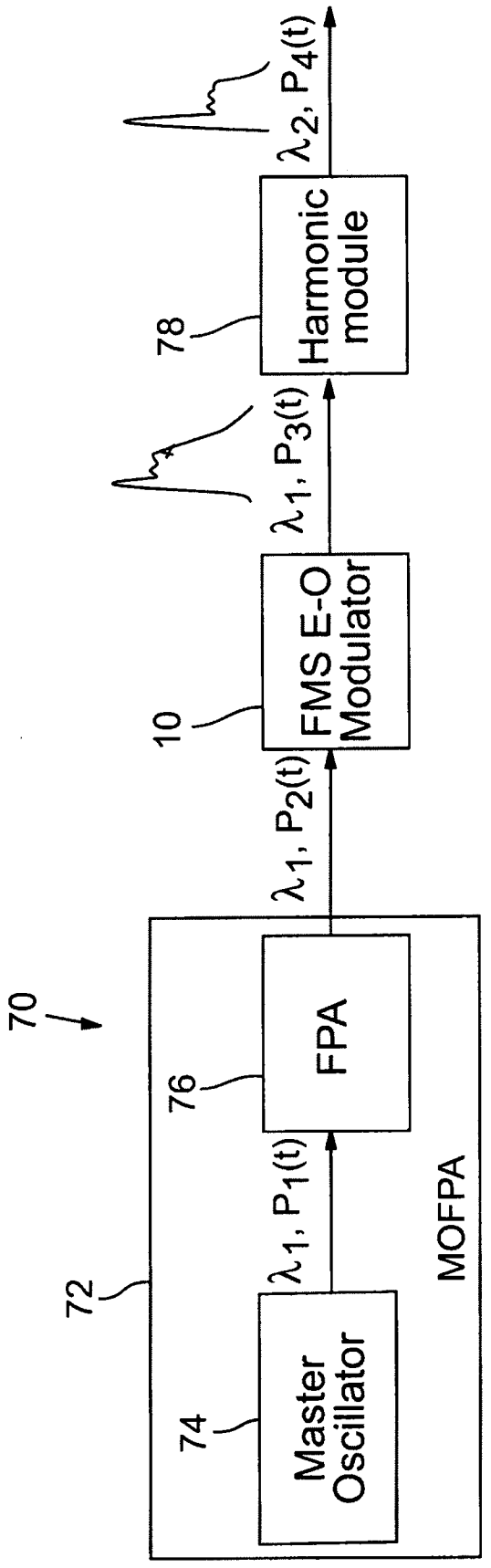

70
72
MOFPA
74
Master Oscillator
76
FPA
λ1, P1(t)
10
FMS E-O Modulator
λ1, P2(t)
78
Harmonic module
λ1, P3(t)
λ2, P4(t)

FIG. 5A

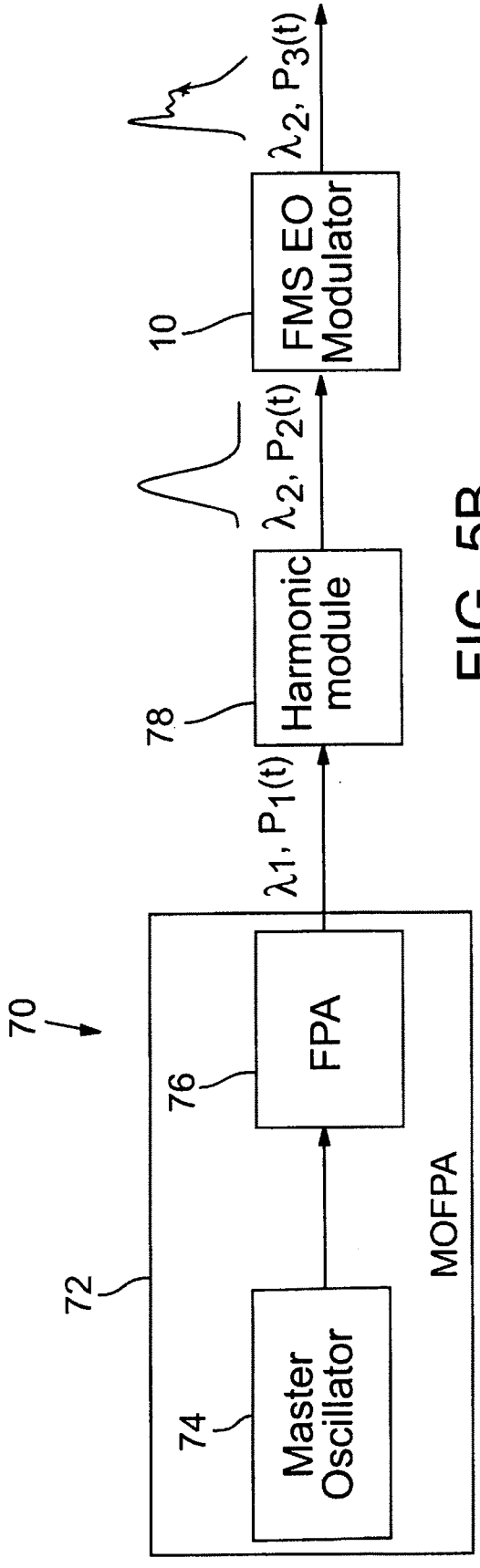

70
72
MOFPA
74
Master Oscillator
76
FPA
λ1, P1(t)
78
Harmonic module
λ2, P2(t)
10
FMS EO Modulator
λ2, P3(t)

FIG. 5B

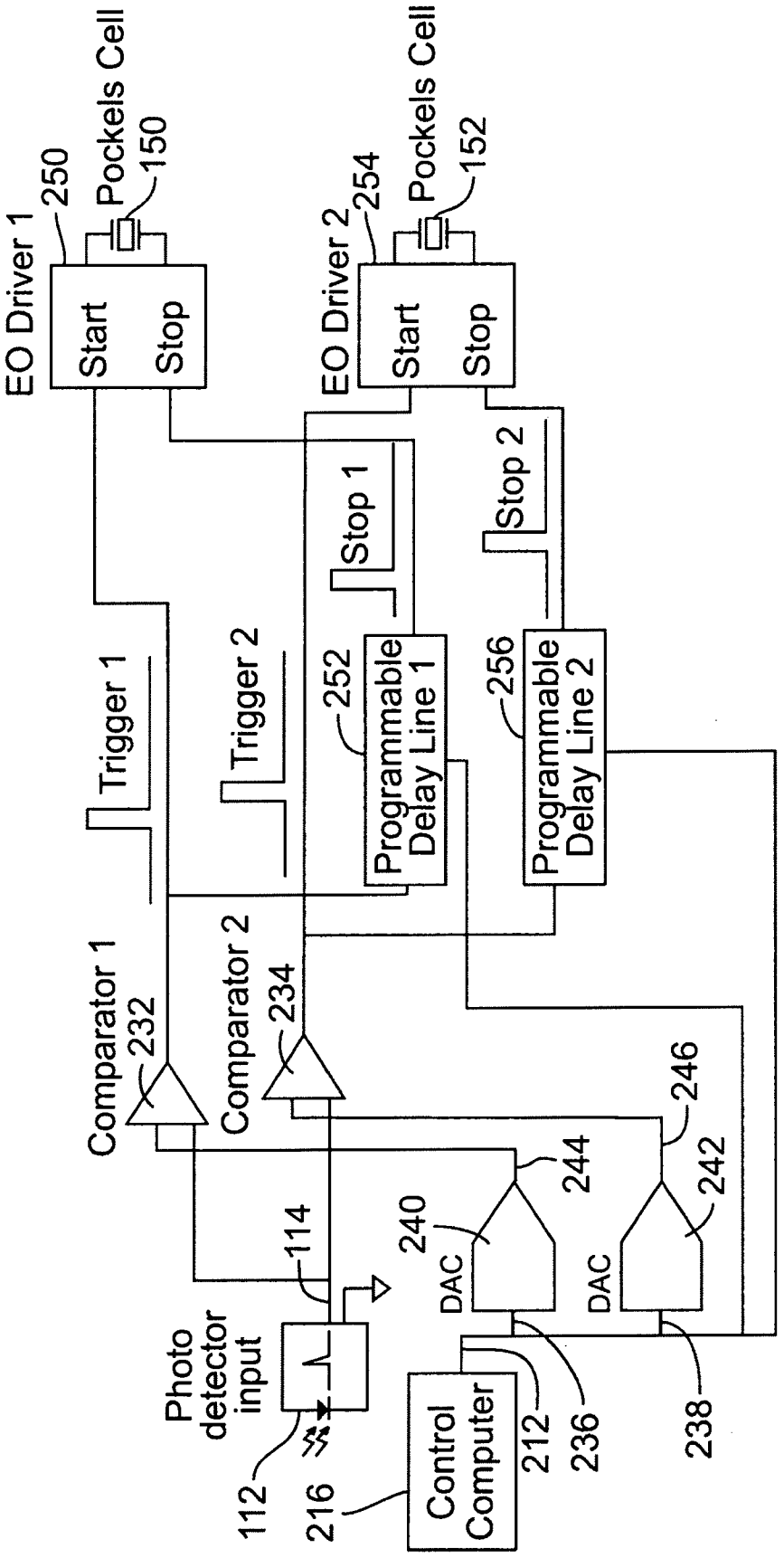

EO Driver 1
250
Pockels Cell
150
Start
Stop
EO Driver 2
254
Pockels Cell
152
Start
Stop
Trigger 1
Trigger 2
Stop 1
Stop 2
252
Programmable Delay Line 1
256
Programmable Delay Line 2
210
Comparator 1
232
Comparator 2
234
246
244
242
240
DAC
DAC
114
Photo detector input
112
216
Control Computer
212
236
238

FIG. 7

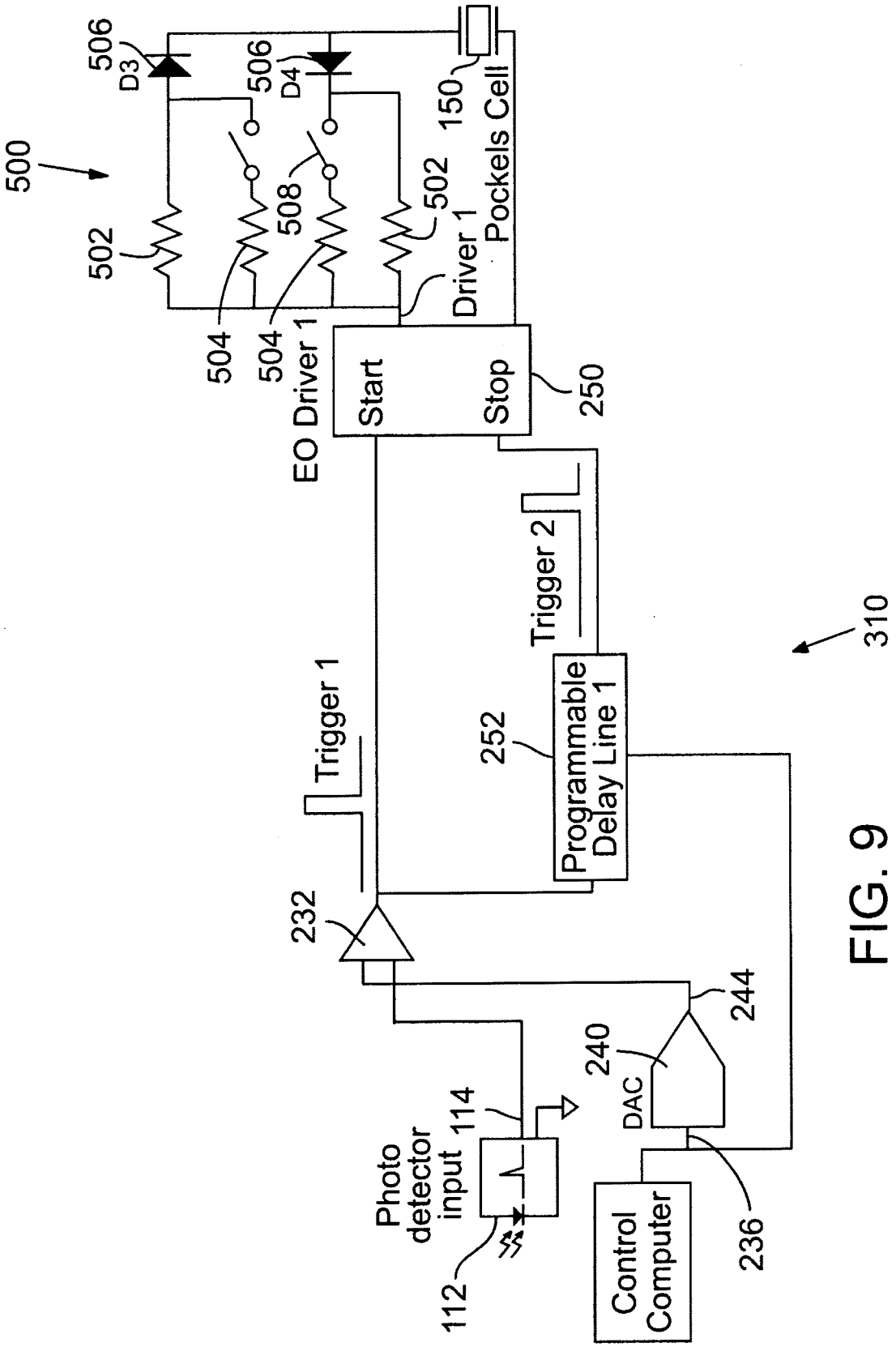

500
506
D3
506
D4
150
Pockels Cell
502
508
502
502
Driver 1
504
504
EO Driver 1
Start
Stop
250
Trigger 2
Trigger 1
252
Programmable
Delay Line 1
310
232
244
240
DAC
Photo
detector
input
114
112
Control
Computer
236

FIG. 9

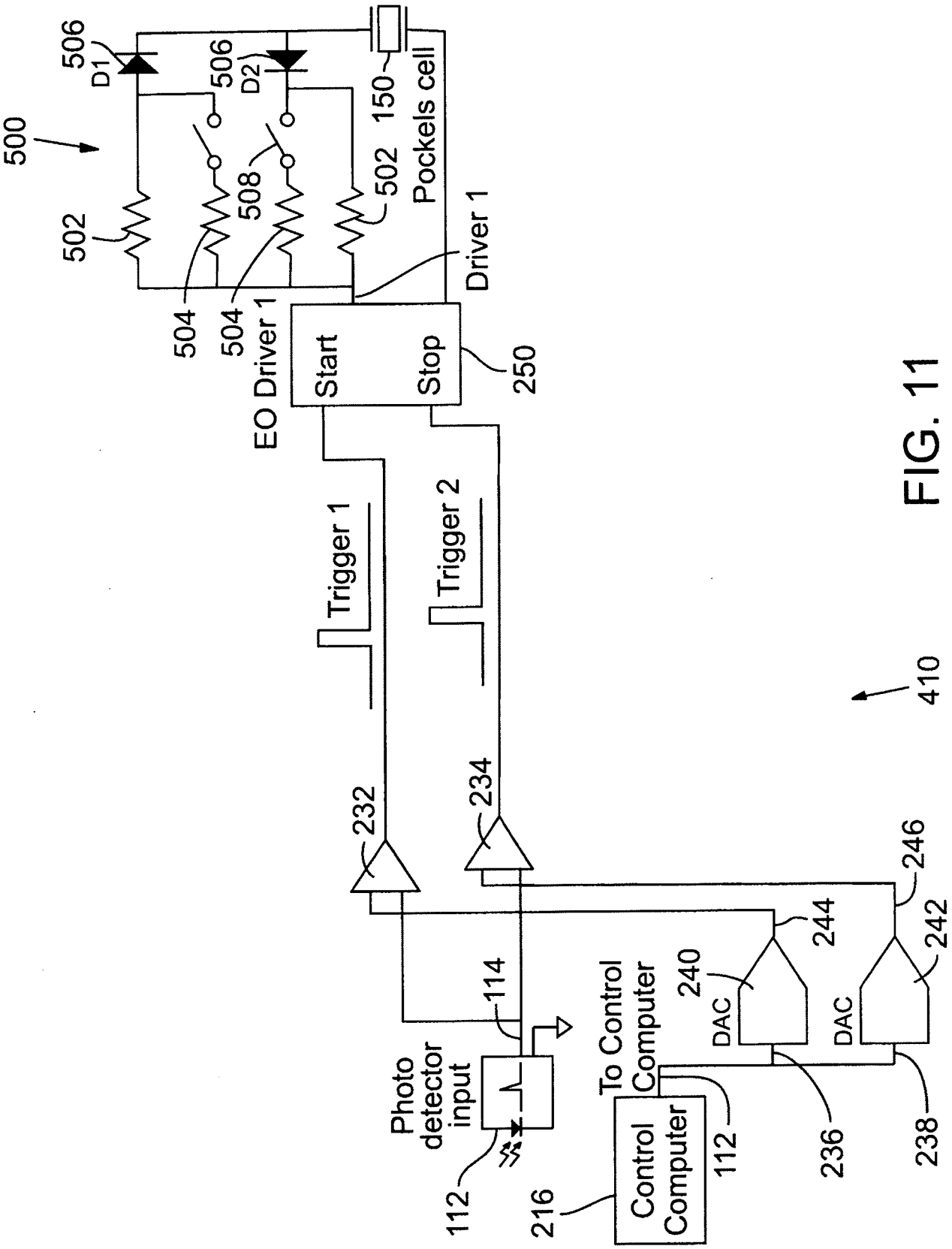

500
506
D1
506
D2
150
Pockels cell
502
502
508
502
504
504
EO Driver 1
Start
Stop
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Driver 1
Trigger 1
Trigger 2
232
234
410
246
244
242
240
DAC
DAC
114
To Control Computer
Photo detector input
112
216
Control Computer
112
236
238

FIG. 11