

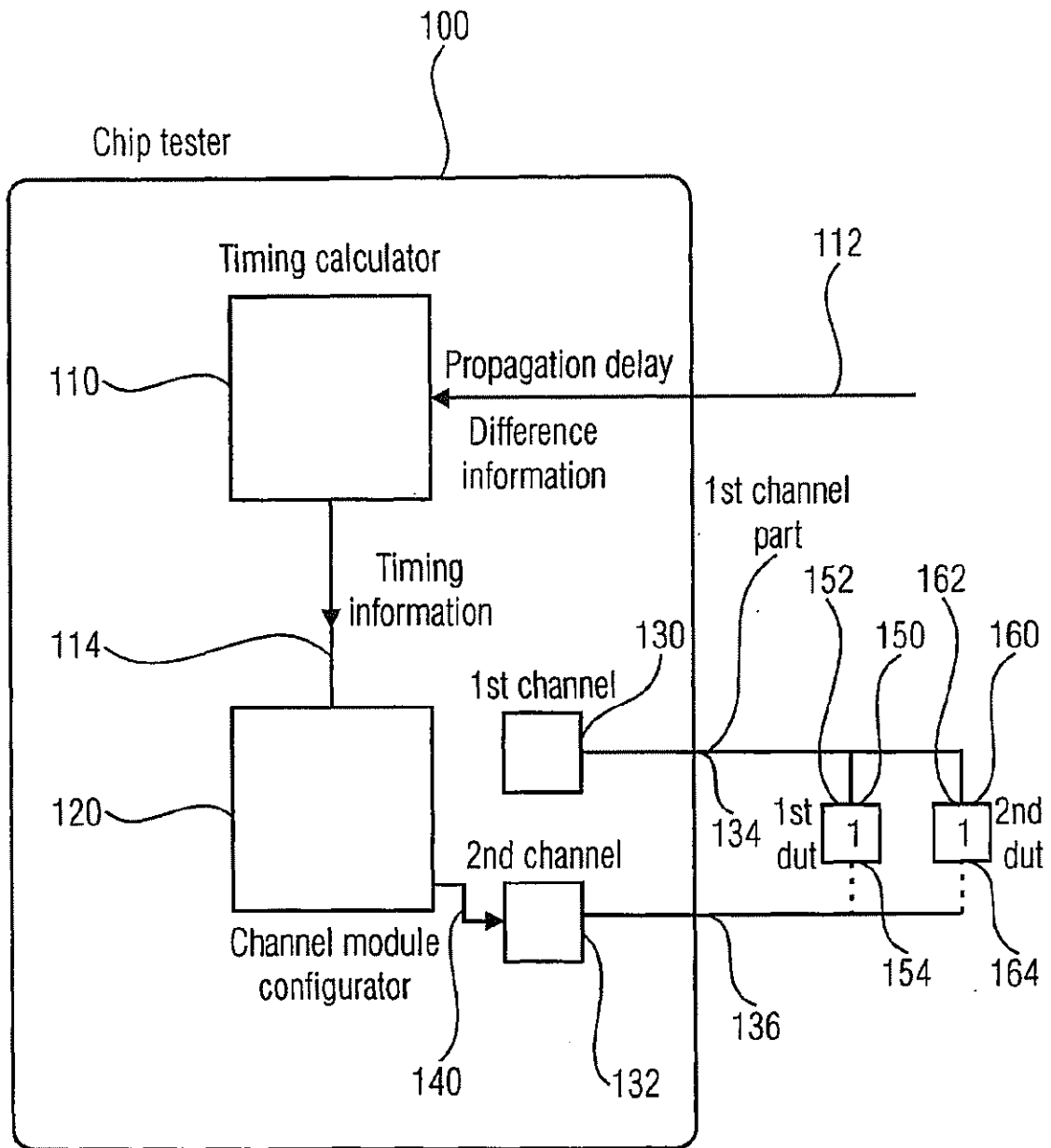


FIG 1

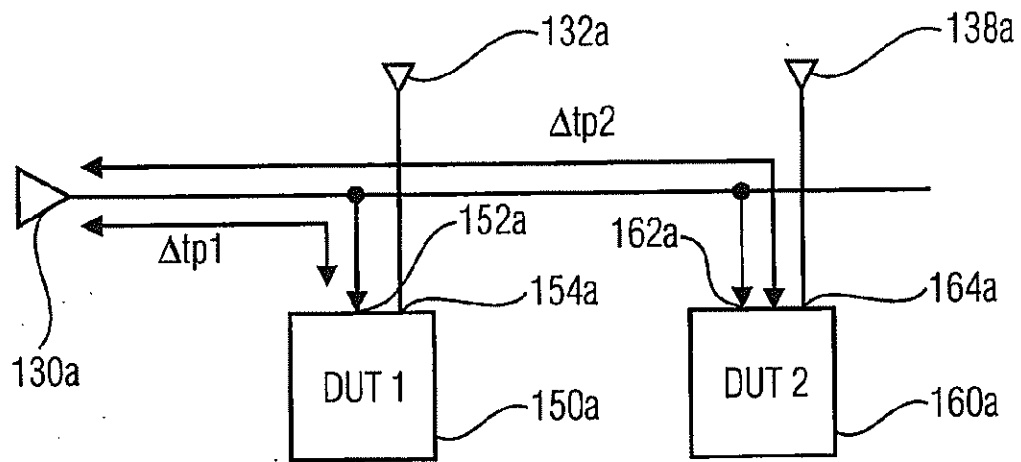


FIG 2a

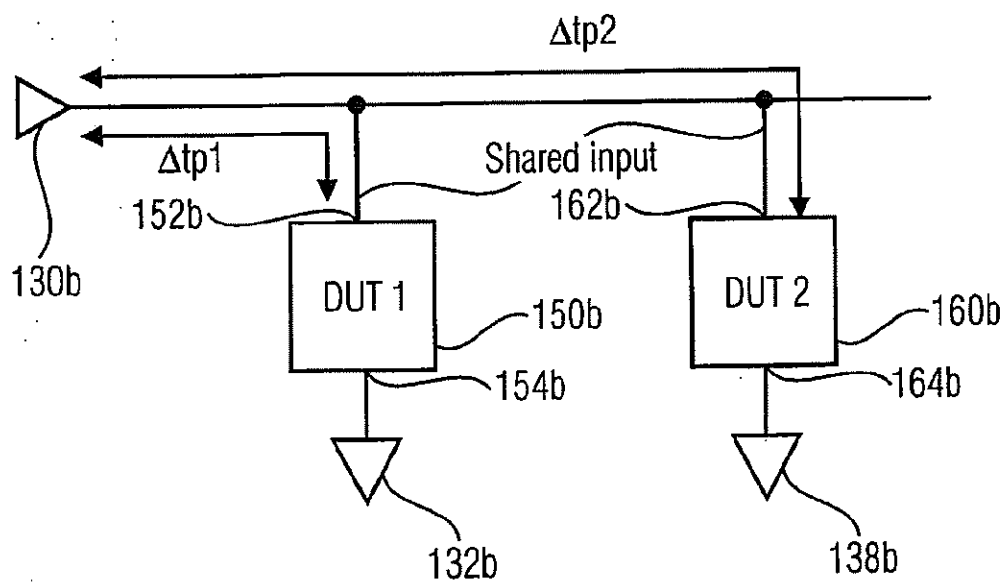


FIG 2b

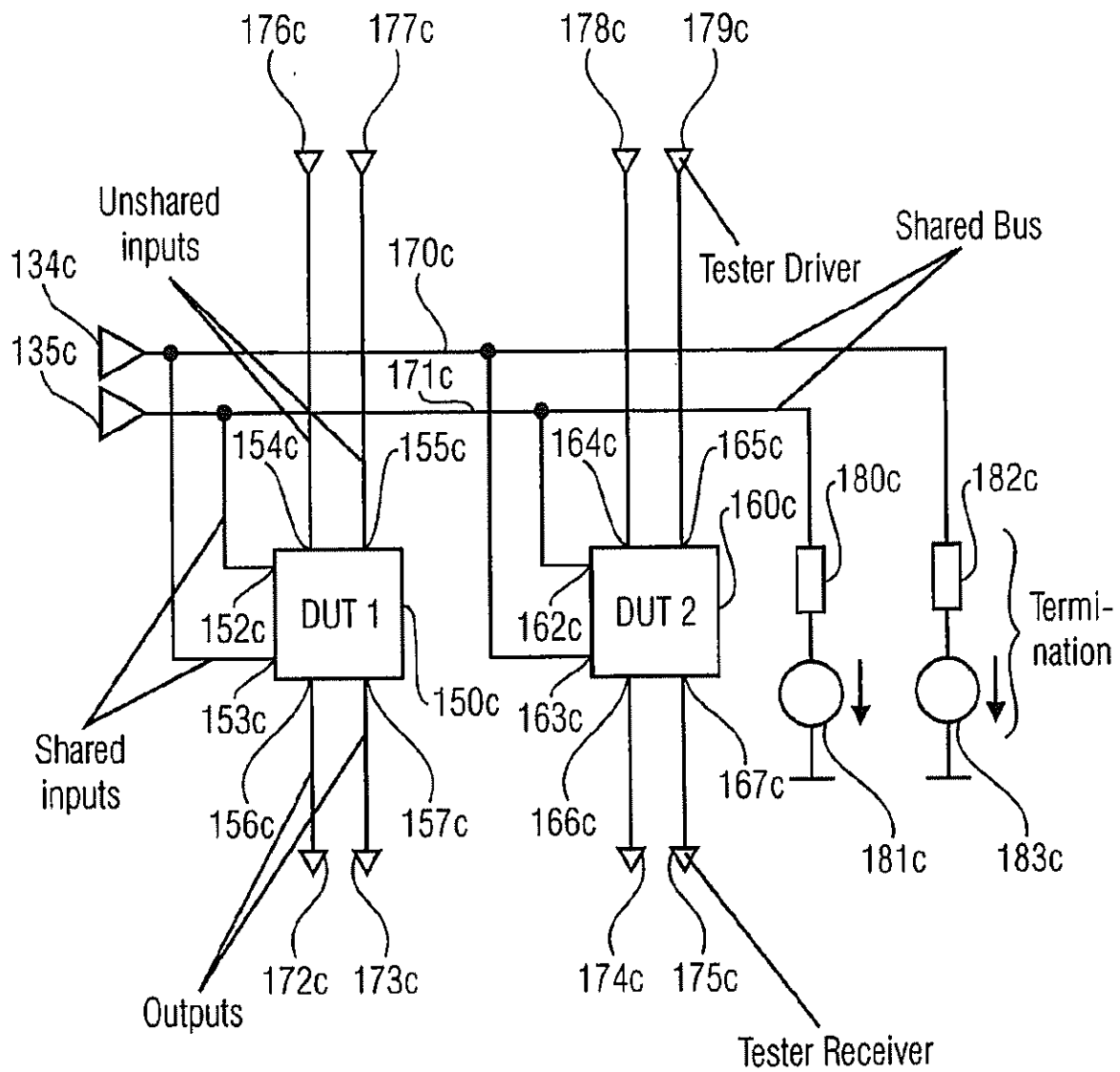


FIG 2c

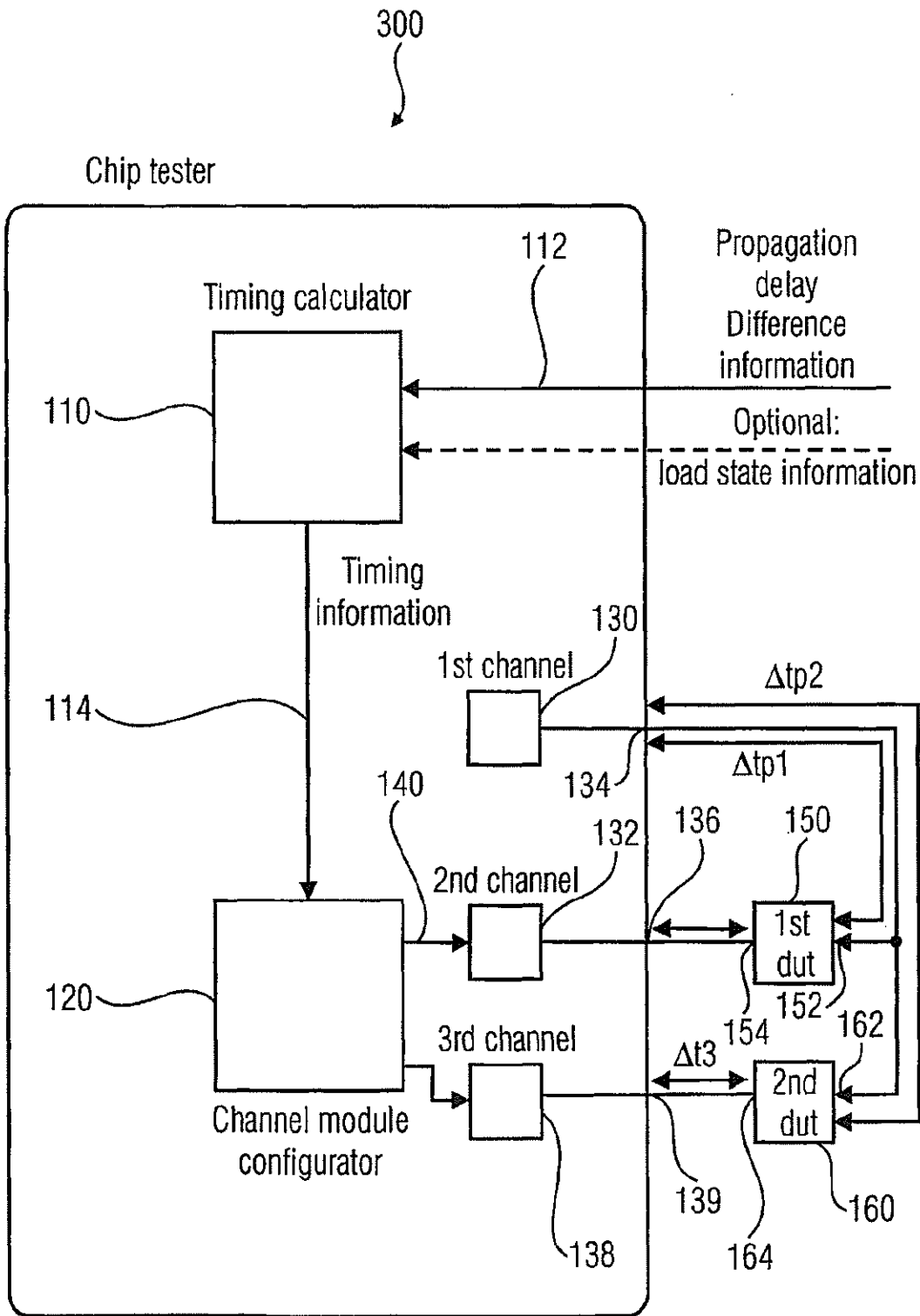
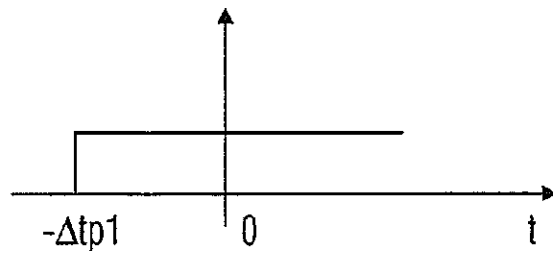


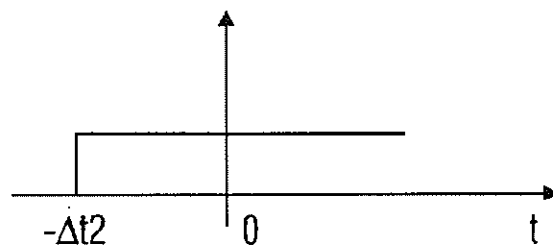
FIG 3

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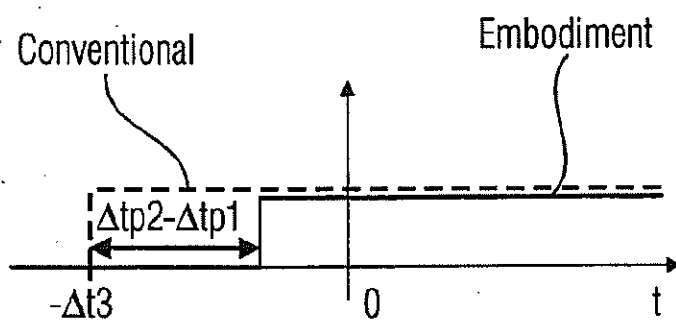
Signal at (134)

FIG 4a



Signal at (136)

FIG 4b

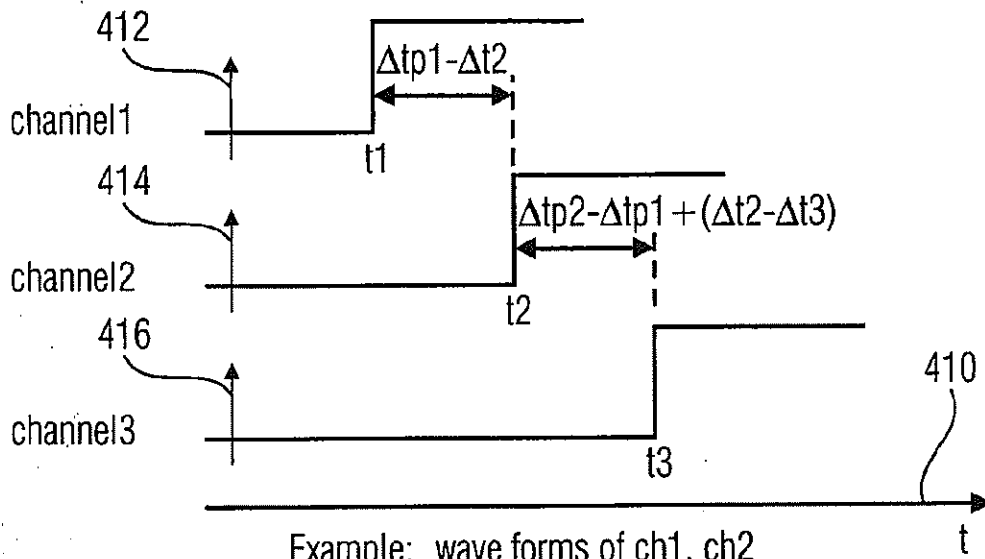


Signal at (138)

FIG 4c

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Waveforms at channel ports of chip tester



Example: wave forms of ch1, ch2  
arrive simultaneously at dut1  
wave forms of ch1, ch3  
arrive simultaneously at dut2

FIG 4d

Wave forms at dut1

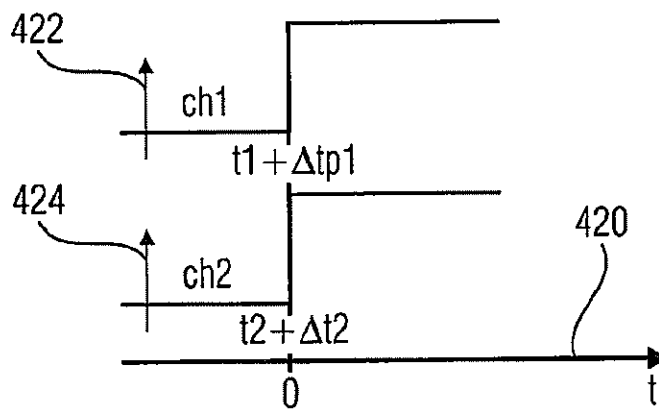


FIG 4e

Wave forms at dut2

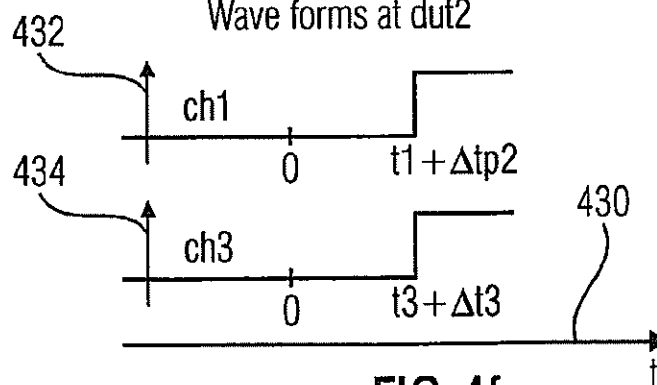


FIG 4f

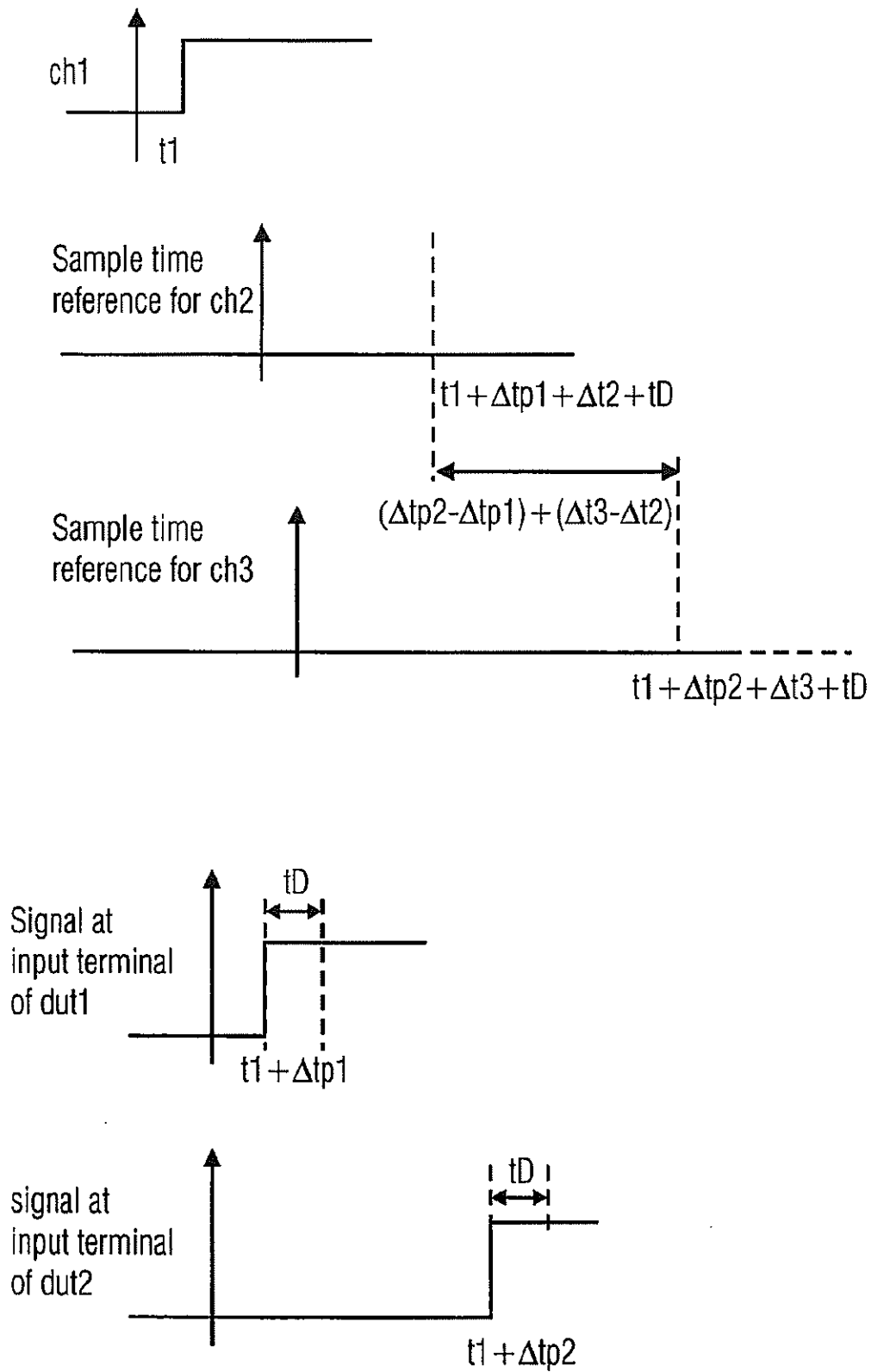


FIG 5

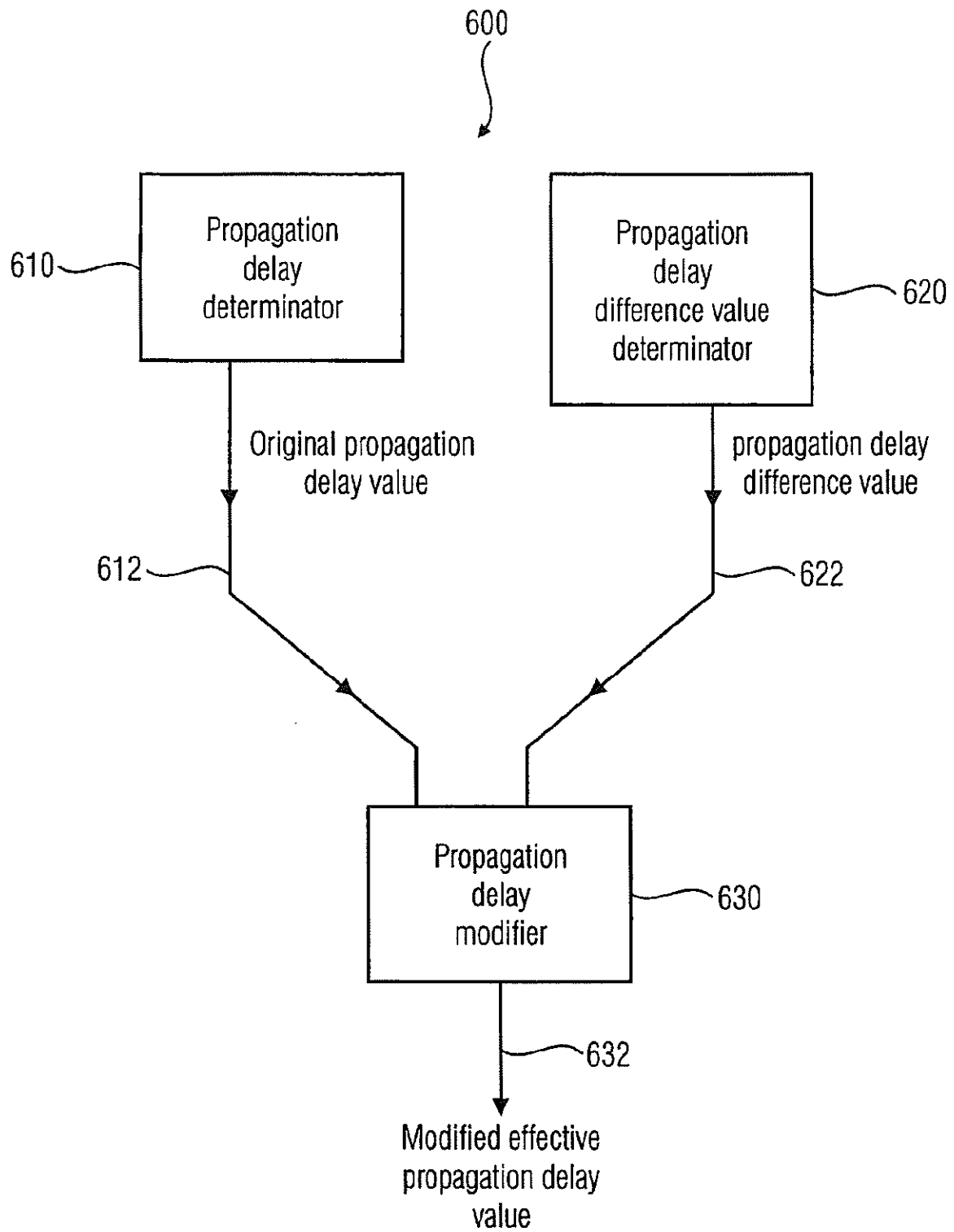


FIG 6

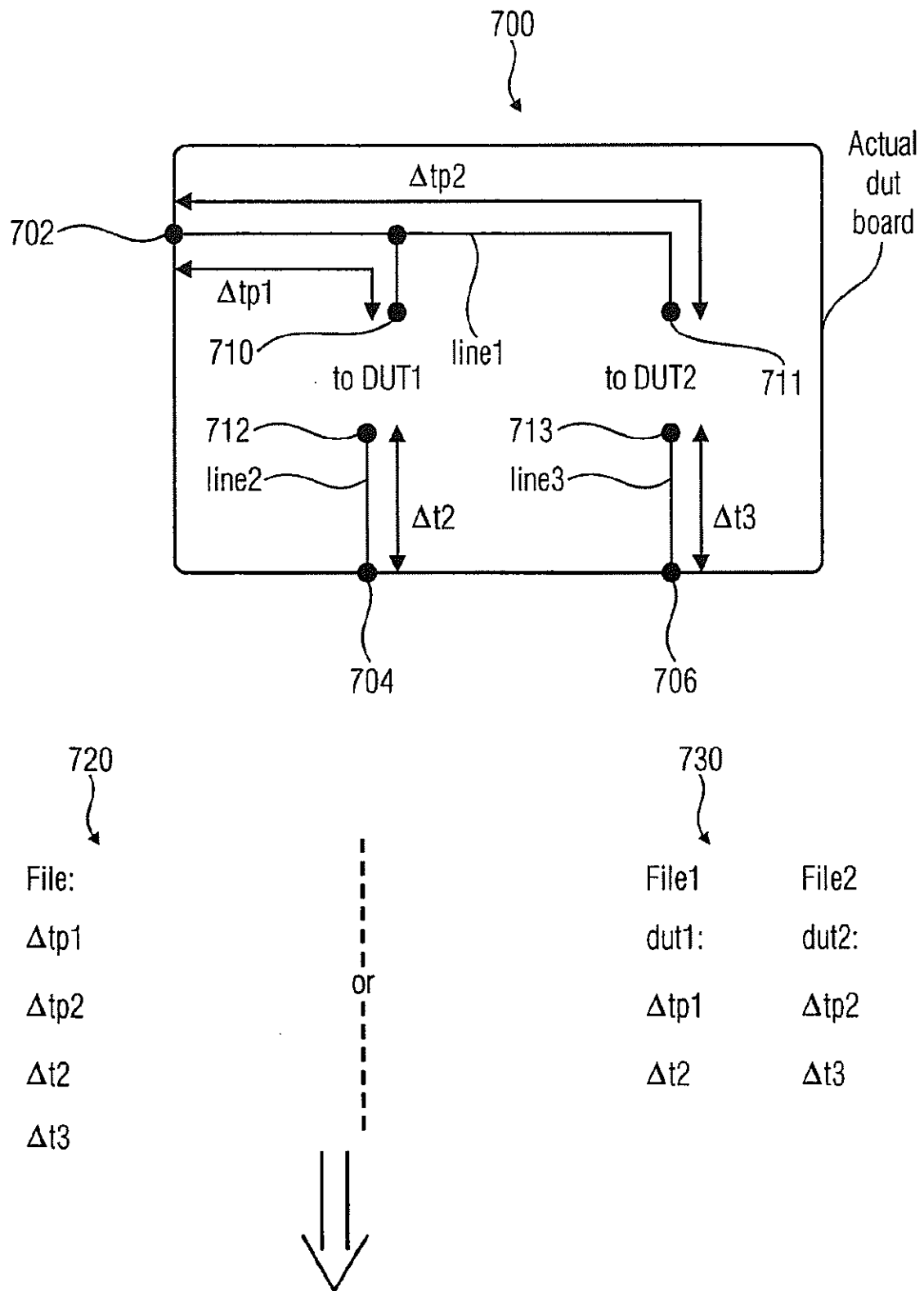
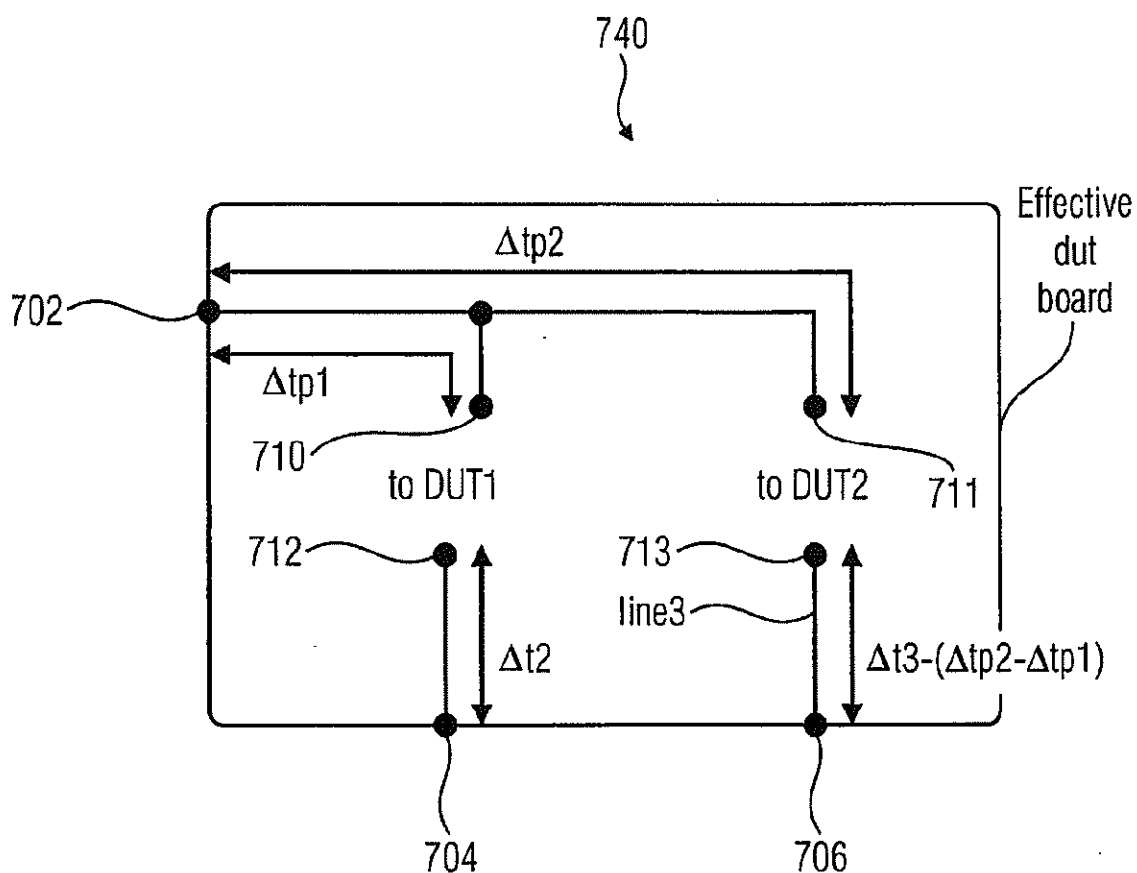


FIG 7a

Line2, Line3 transmit lines (chip tester  $\longrightarrow$  dut)



File

$\Delta tp1$

( $\Delta tp1$ ) ~ optional

$\Delta t2$

$\Delta t3 - (\Delta tp2 - \Delta tp1)$

or

File1

dut1:

$\Delta tp1$

$\Delta t2$

File2

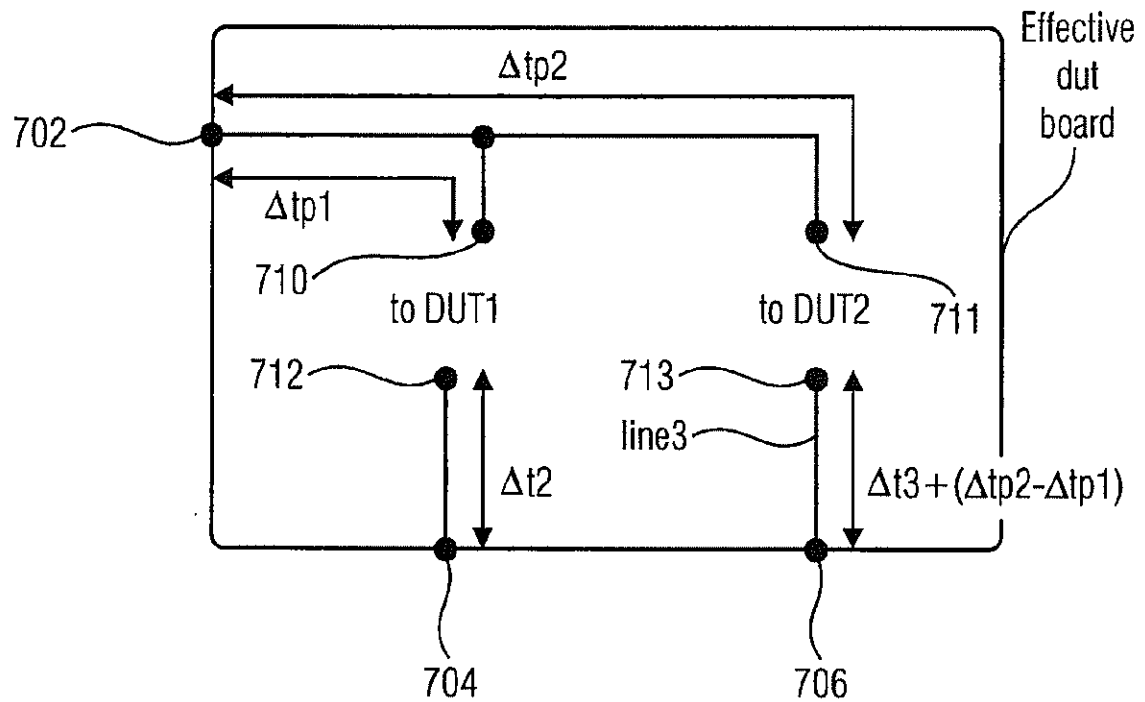
dut2:

$\Delta tp1$

$\Delta t3 - (\Delta tp2 - \Delta tp1)$

FIG 7b

Line2, Line3 receive lines (dut → chip tester)



File

$\Delta tp1$

( $\Delta tp1$ ) ~ optional

$\Delta t2$

$\Delta t3 + (\Delta tp2 - \Delta tp1)$

or

File1

dut1:

$\Delta tp1$

$\Delta t2$

File2

dut2:

$\Delta tp1$

$\Delta t3 + (\Delta tp2 - \Delta tp1)$

FIG 7c

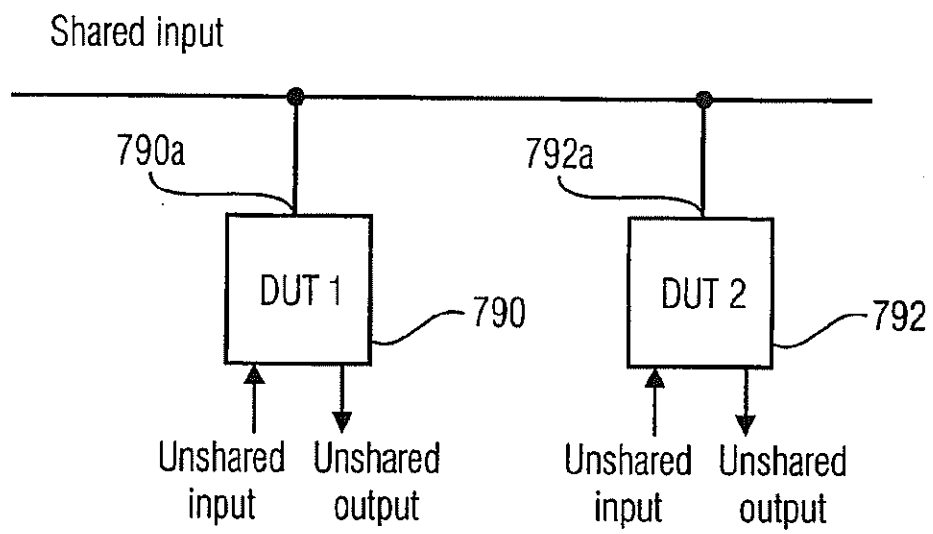
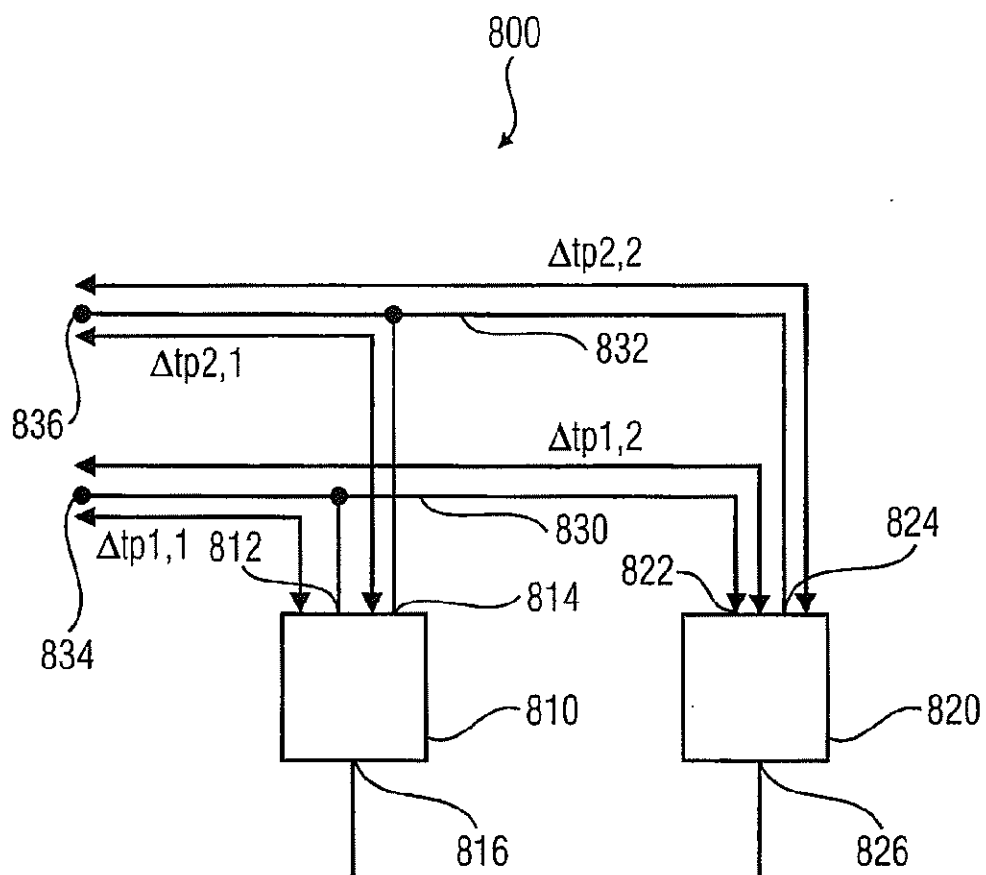


FIG 7d

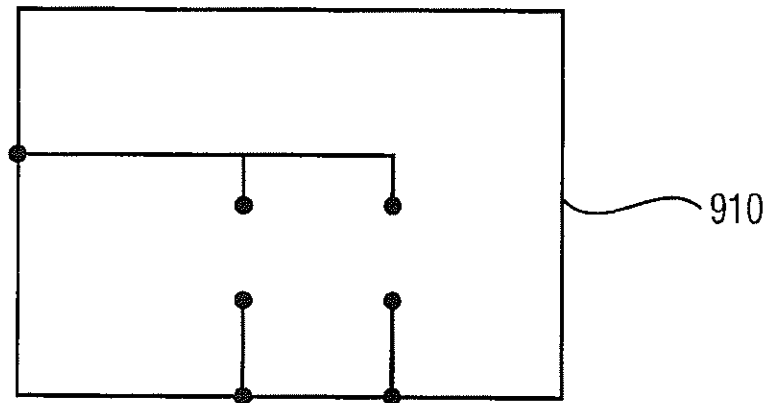


$$\Delta t_{12} = \text{average} (\Delta tp_{1,2} - \Delta tp_{1,1}; \Delta tp_{2,2} - \Delta tp_{2,1}; \dots)$$

FIG 8

900  


dut board



data exchange medium

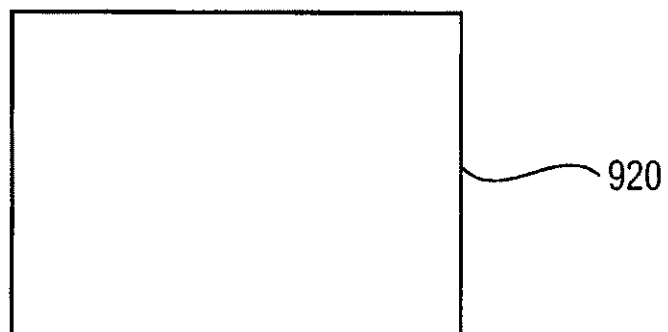


FIG 9

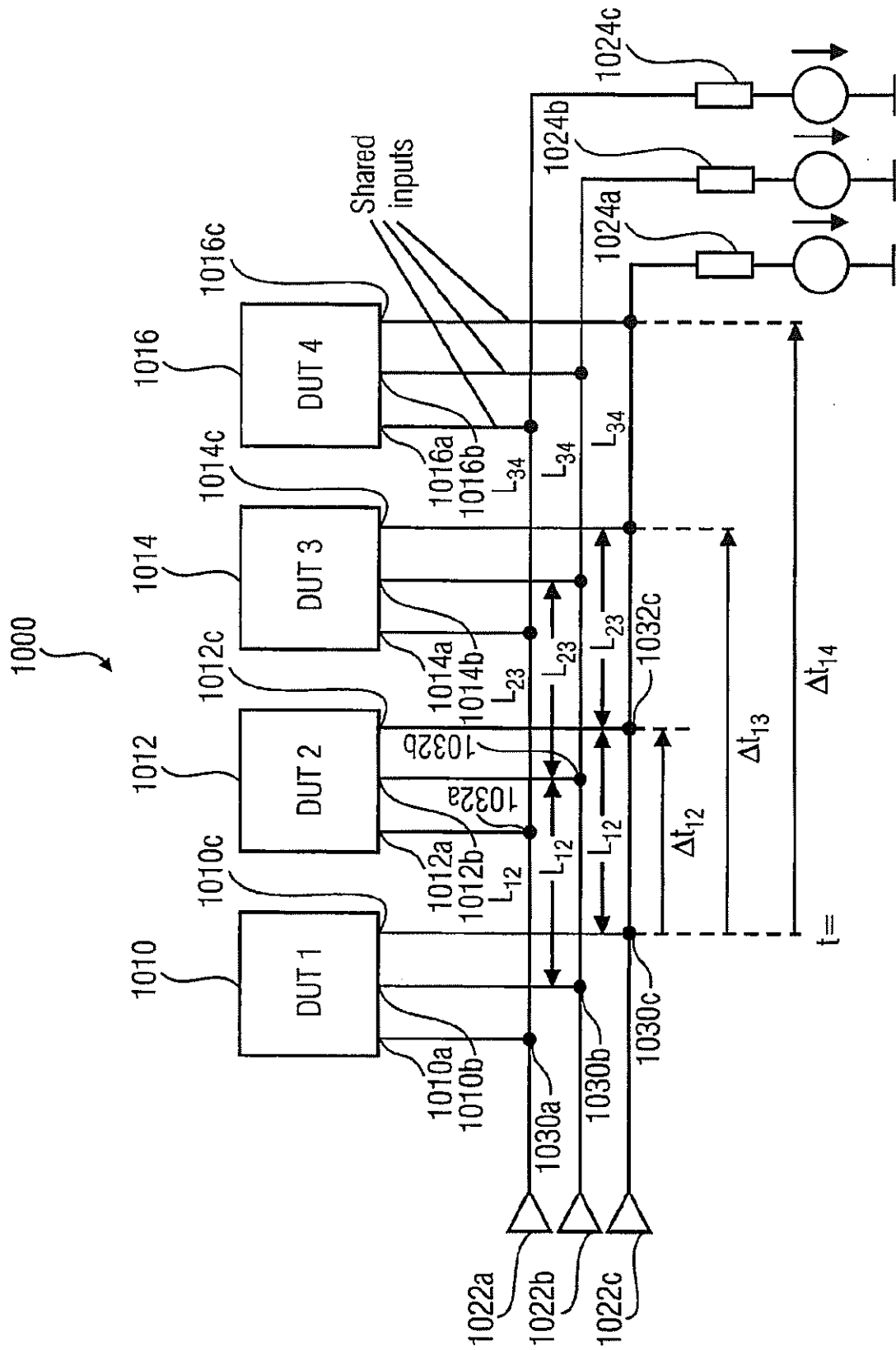


FIG 10

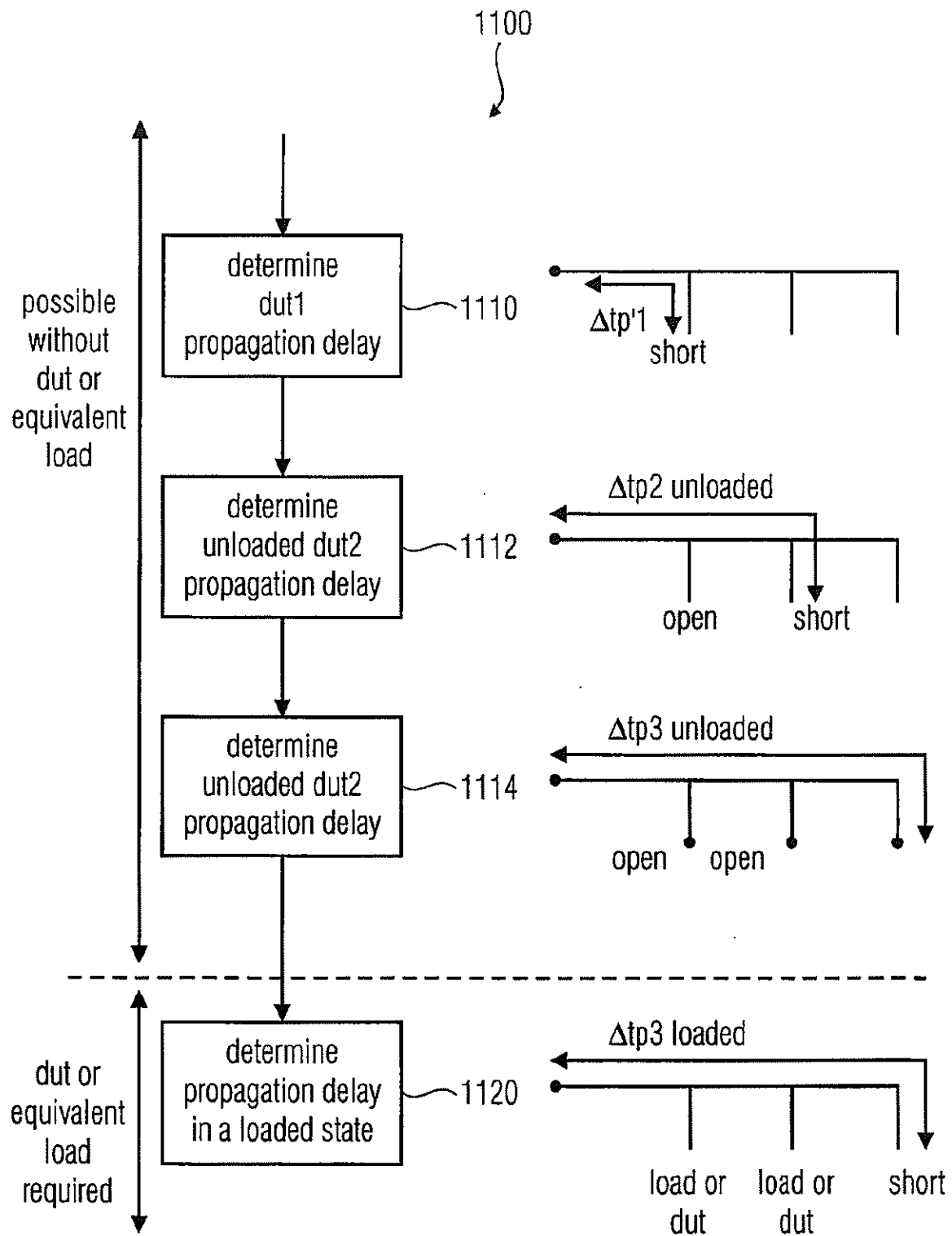


FIG 11

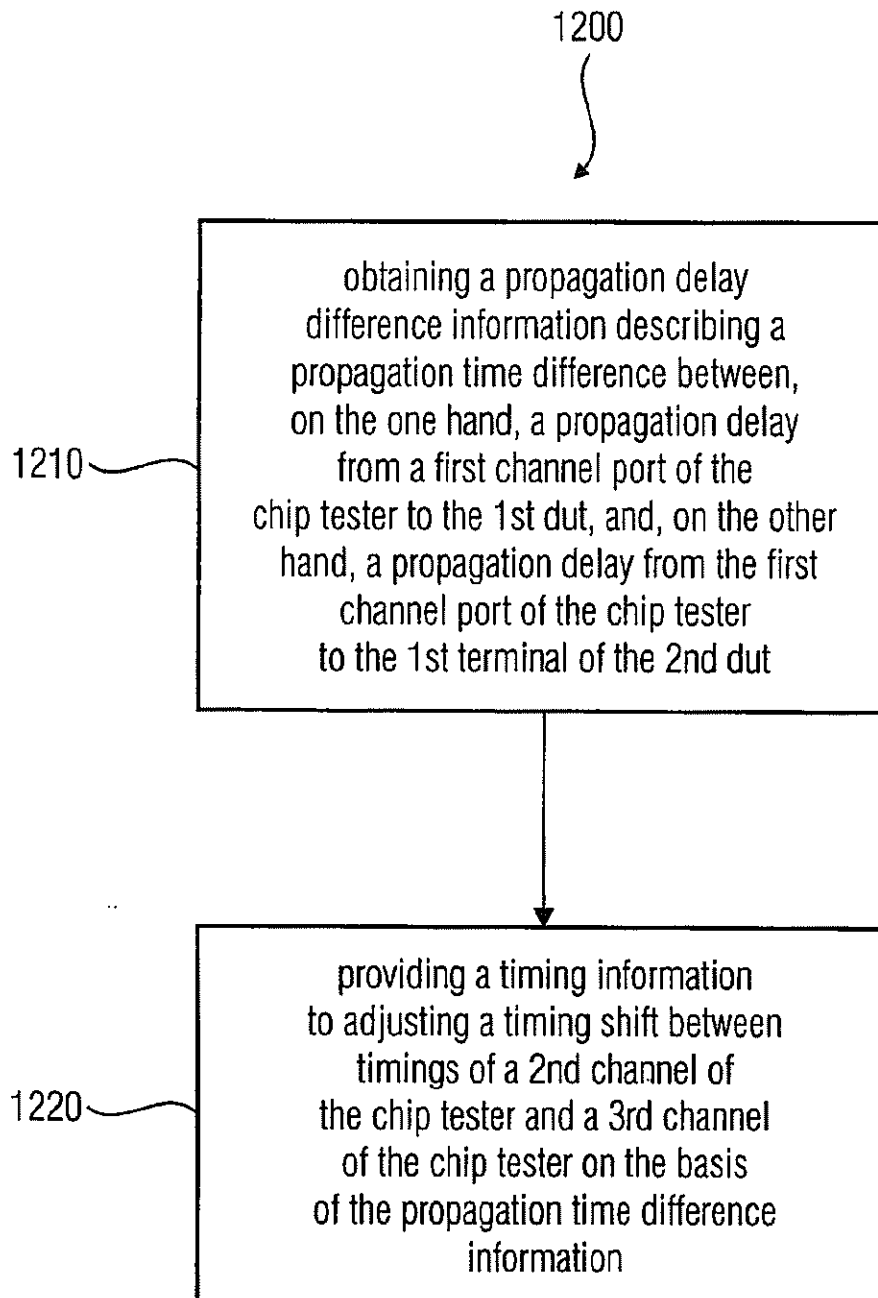


FIG 12