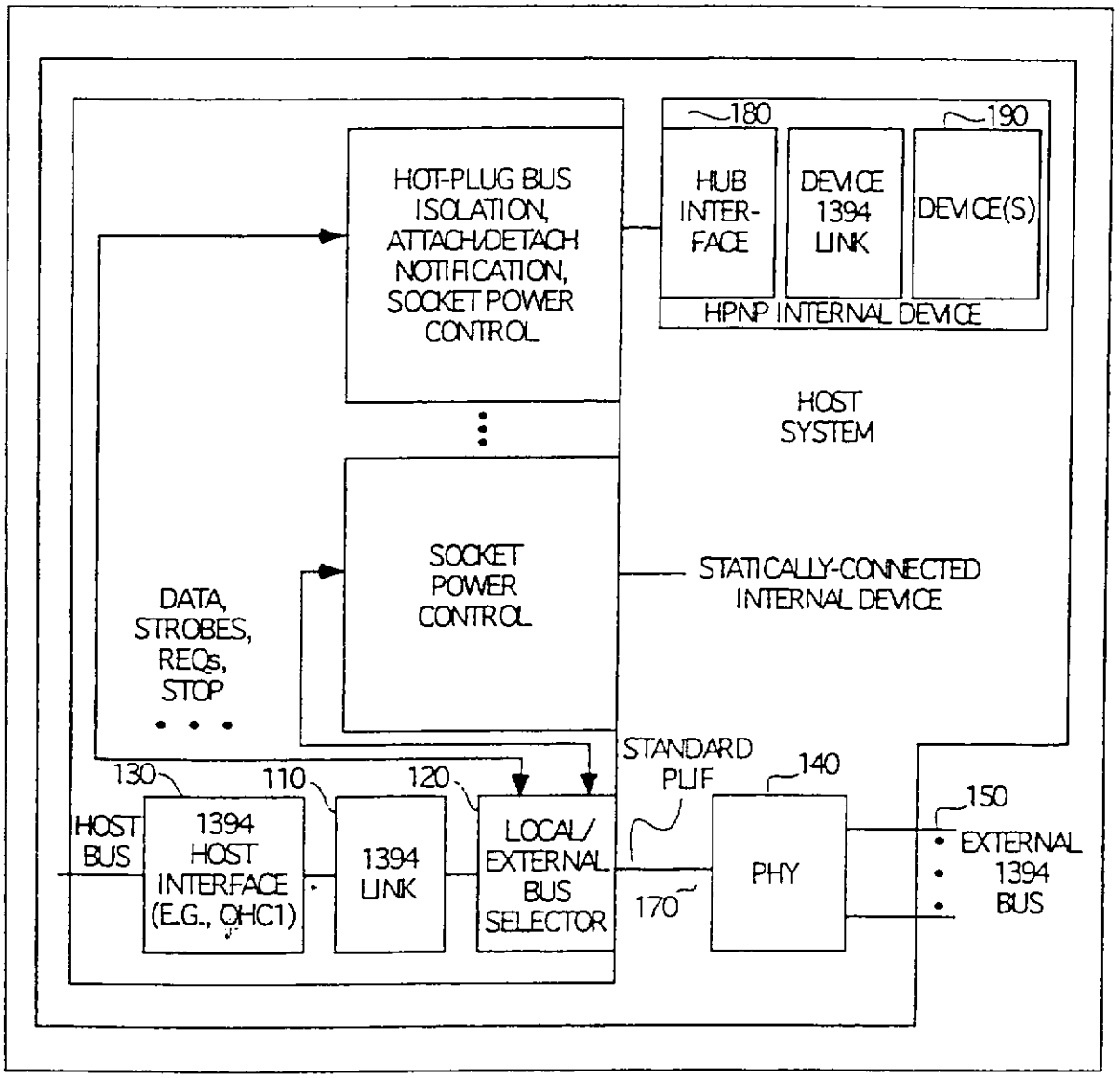
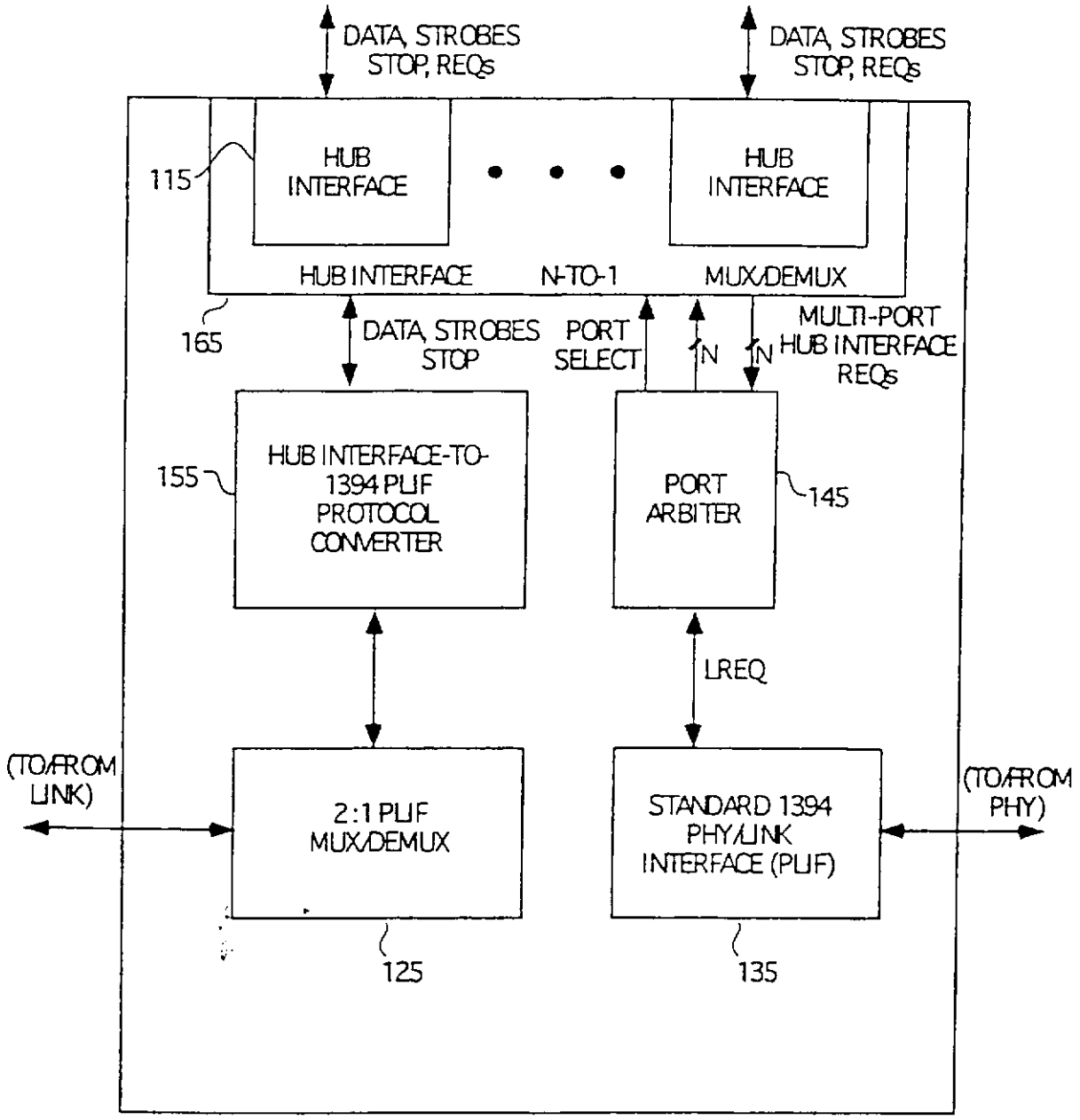

180
190
HOT-PLUG BUS ISOLATION, ATTACH/DETACH NOTIFICATION, SOCKET POWER CONTROL
HUB INTER-FACE
DEVICE 1394 LINK
DEVICE(S)
HPNP INTERNAL DEVICE
HOST SYSTEM
SOCKET POWER CONTROL
STATICALLY-CONNECTED INTERNAL DEVICE
DATA, STROBES, REQs, STOP
STANDARD PLIF
140
130
110
120
150
HOST BUS
1394 HOST INTERFACE (E.G., OHC1)
1394 LINK
LOCAL/ EXTERNAL BUS SELECTOR
PHY
170
EXTERNAL 1394 BUS

100

FIG. 1


DATA, STROBES
STOP, REQs
DATA, STROBES
STOP, REQs
115
HUB
INTERFACE
HUB
INTERFACE
HUB INTERFACE N-TO-1 MUX/DEMUX
165
DATA, STROBES
STOP
PORT
SELECT
N
N
MULTI-PORT
HUB INTERFACE
REQs
155
HUB INTERFACE-TO-
1394 PLIF
PROTOCOL
CONVERTER
PORT
ARBITER
145
LREQ
(TO/FROM
LINK)
2:1 PLIF
MUX/DEMUX
STANDARD 1394
PHY/LINK
INTERFACE (PLIF)
(TO/FROM
PHY)
125
135

120

FIG. 2

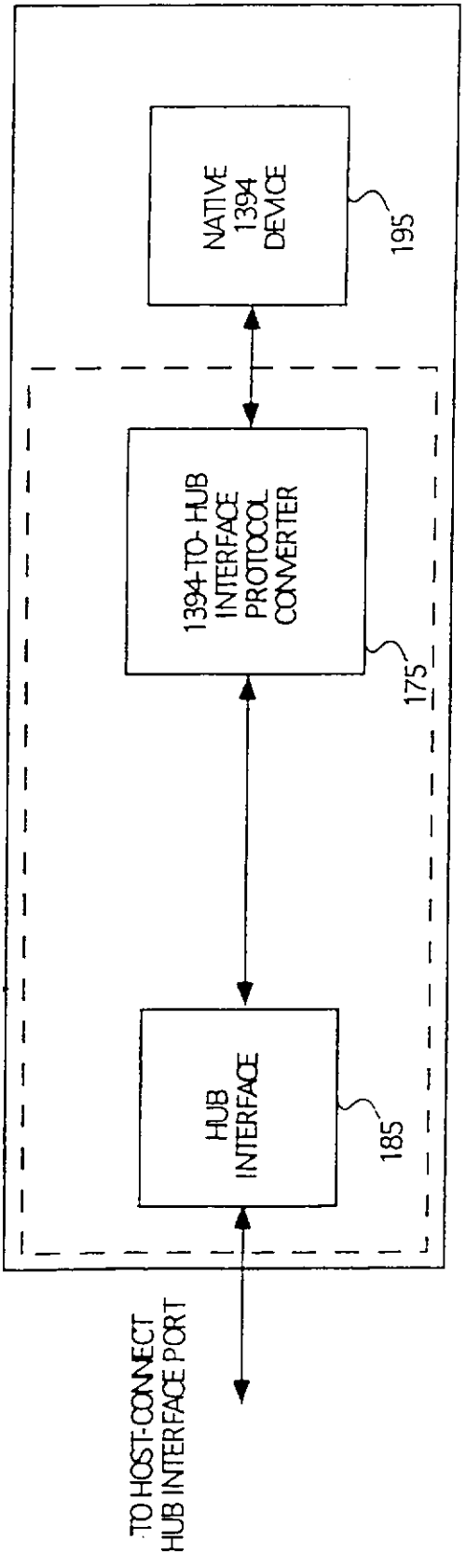

NATIVE 1394 DEVICE
195
1394-TO-HUB INTERFACE PROTOCOL CONVERTER
175
190
HUB INTERFACE
185
TO HOST-CONNECT HUB INTERFACE PORT

FIG. 3

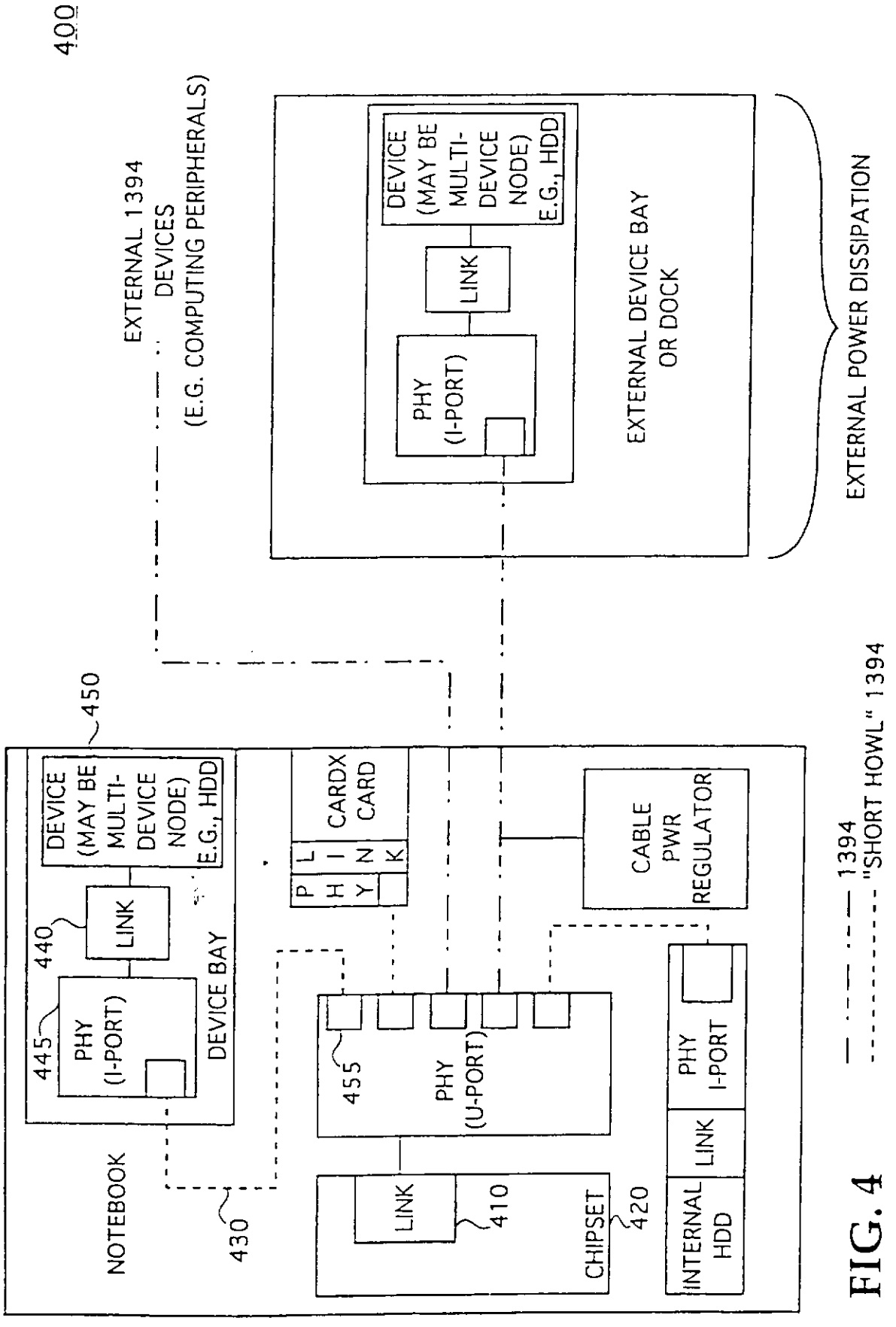

400
EXTERNAL 1394 DEVICES (E.G. COMPUTING PERIPHERALS)
DEVICE (MAY BE MULTI-DEVICE NODE) E.G., HDD
LINK
PHY (I-PORT)
EXTERNAL DEVICE BAY OR DOCK
EXTERNAL POWER DISSIPATION
450
DEVICE (MAY BE MULTI-DEVICE NODE) E.G., HDD
LINK
440
445
PHY (I-PORT)
DEVICE BAY
CARDX CARD
PHY LINK
CABLE PWR REGULATOR
455
PHY (U-PORT)
NOTEBOOK
430
LINK
410
CHIPSET
420
INTERNAL HDD
LINK
PHY I-PORT
1394 "SHORT HOWL" 1394

FIG. 4