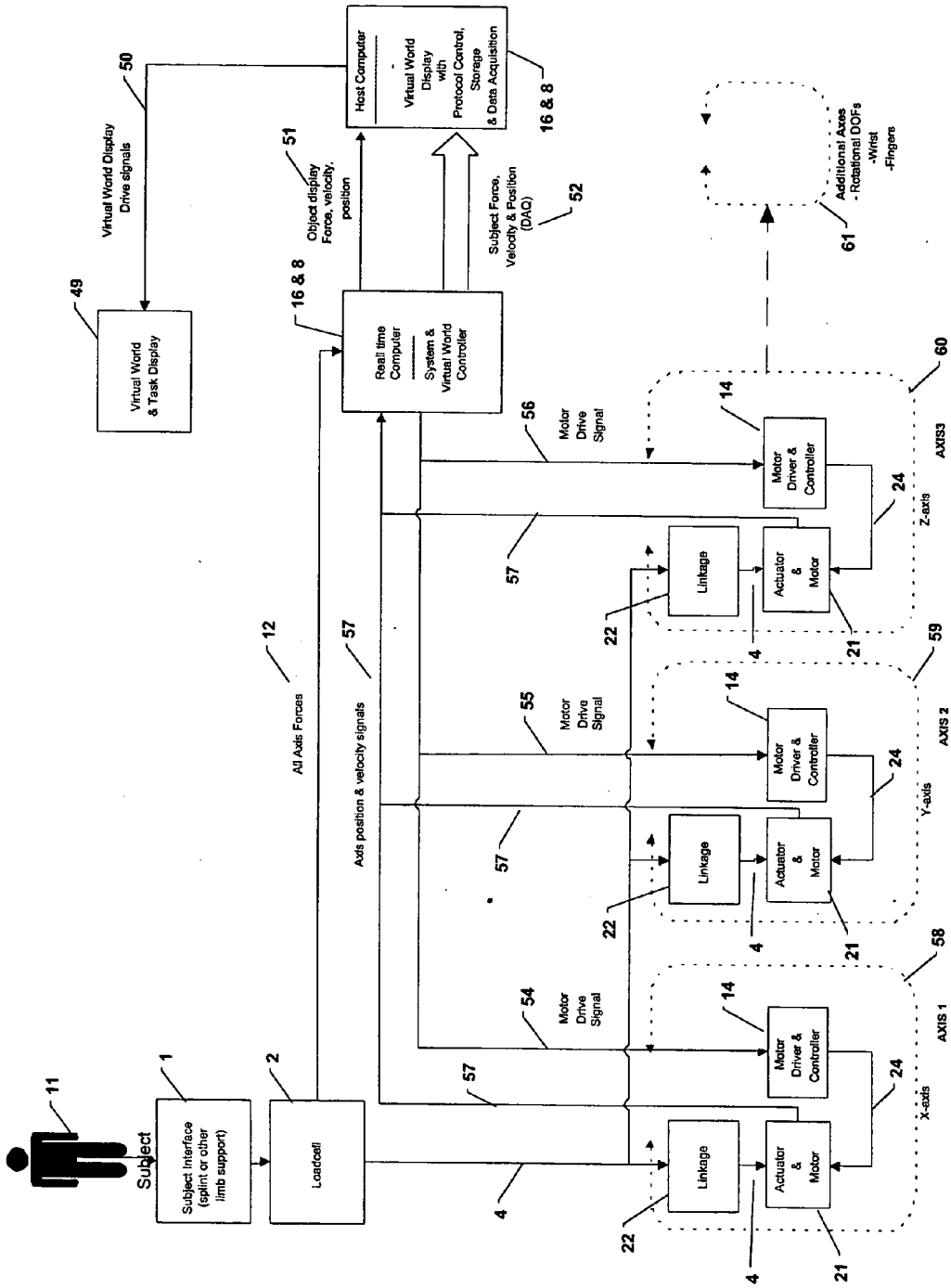
Subject
Subject Interface (splint or other limb support)
Loadcell
Virtual World & Task Display
Virtual World Display Drive signals
Real time Computer
System & Virtual World Controller
Host Computer
Virtual World Display with Protocol Control, Storage & Data Acquisition
Object display Force, velocity, position
Subject Force, Velocity & Position (DAQ)
All Axis Forces
Axis position & velocity signals
Motor Drive Signal
Motor Driver & Controller
Linkage
Actuator & Motor
Additional Axes - Rotational DOFs -Wrist -Fingers
X-axis
Y-axis
Z-axis
AXIS 1
AXIS 2
AXIS3
11
1
2
4
12
14
16 & 8
21
22
24
49
50
51
52
54
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56
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60
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Figure 19