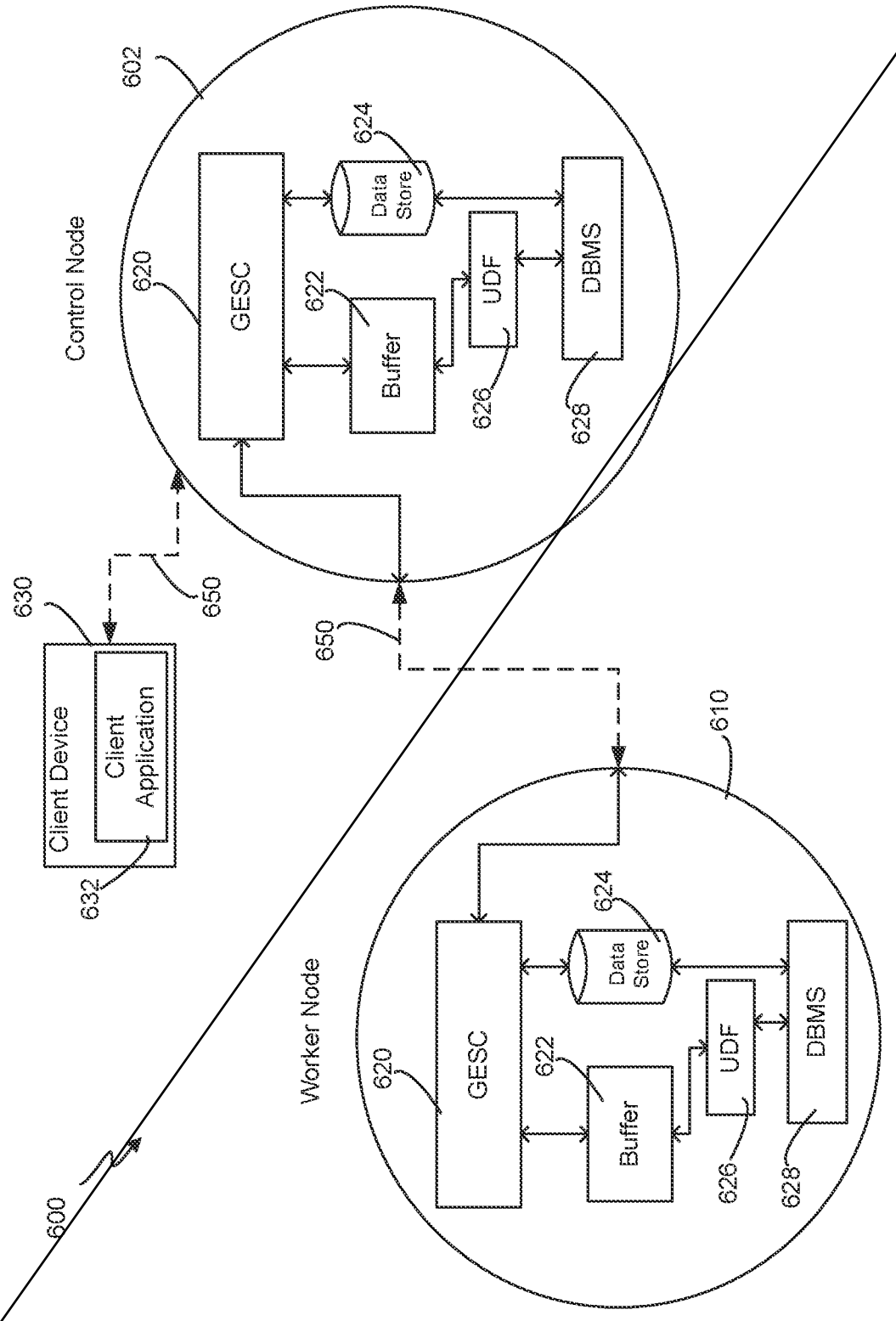

600
602
Control Node
620
GESC
622
Buffer
624
Data Store
626
UDF
628
DBMS
630
Client Device
Client Application
632
650
650
610
Worker Node
620
GESC
622
Buffer
624
Data Store
626
UDF
628
DBMS

FIG. 6

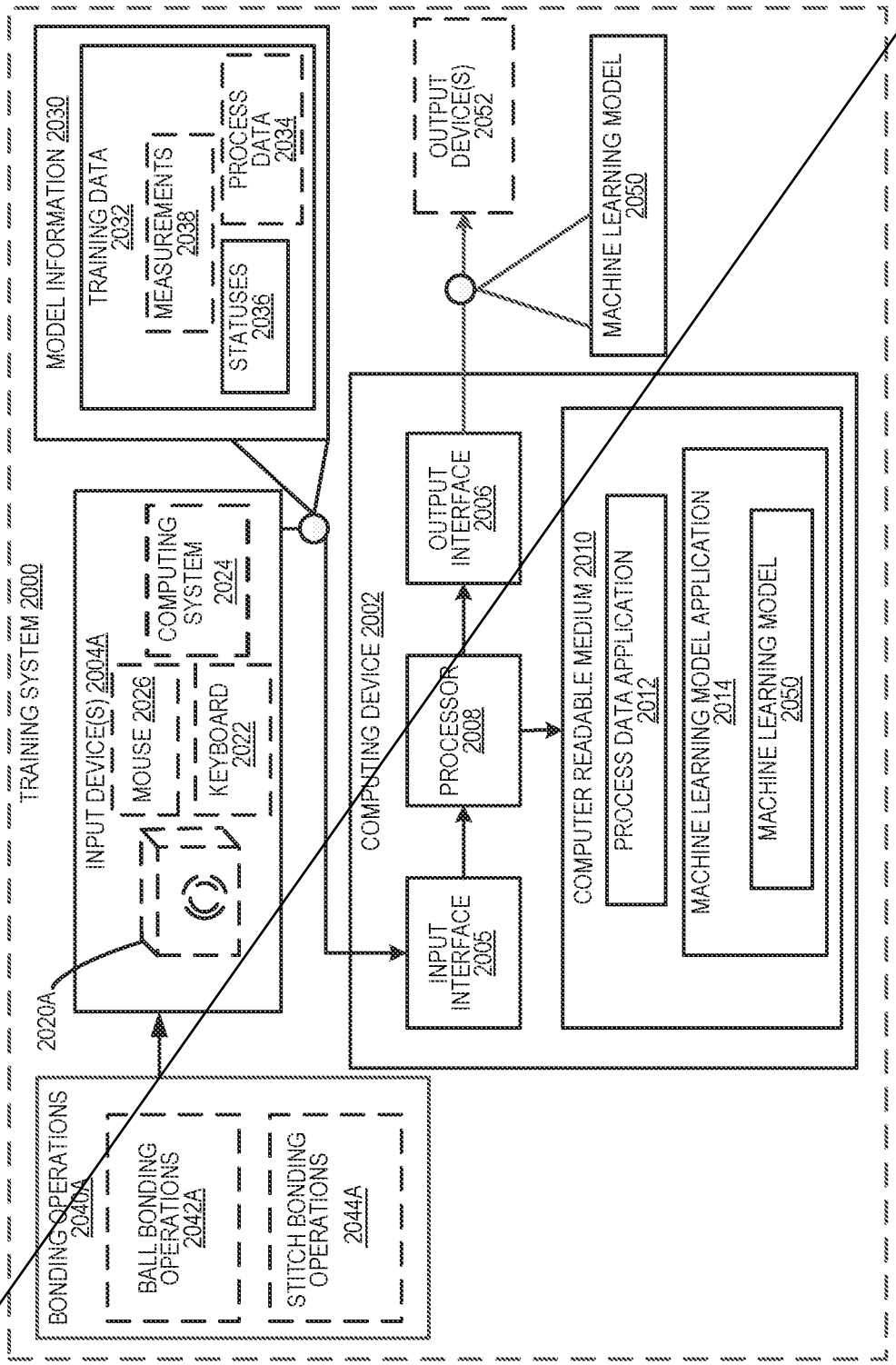

TRAINING SYSTEM 2000
BONDING OPERATIONS 2040A
BALL BONDING OPERATIONS 2042A
STITCH BONDING OPERATIONS 2044A
2020A
INPUT DEVICE(S) 2004A
MOUSE 2026
KEYBOARD 2022
COMPUTING SYSTEM 2024
MODEL INFORMATION 2030
TRAINING DATA 2032
MEASUREMENTS 2038
STATUSES 2036
PROCESS DATA 2034
COMPUTING DEVICE 2002
INPUT INTERFACE 2005
PROCESSOR 2008
OUTPUT INTERFACE 2006
COMPUTER READABLE MEDIUM 2010
PROCESS DATA APPLICATION 2012
MACHINE LEARNING MODEL APPLICATION 2014
MACHINE LEARNING MODEL 2050
OUTPUT DEVICE(S) 2052
MACHINE LEARNING MODEL 2050

FIG. 20A

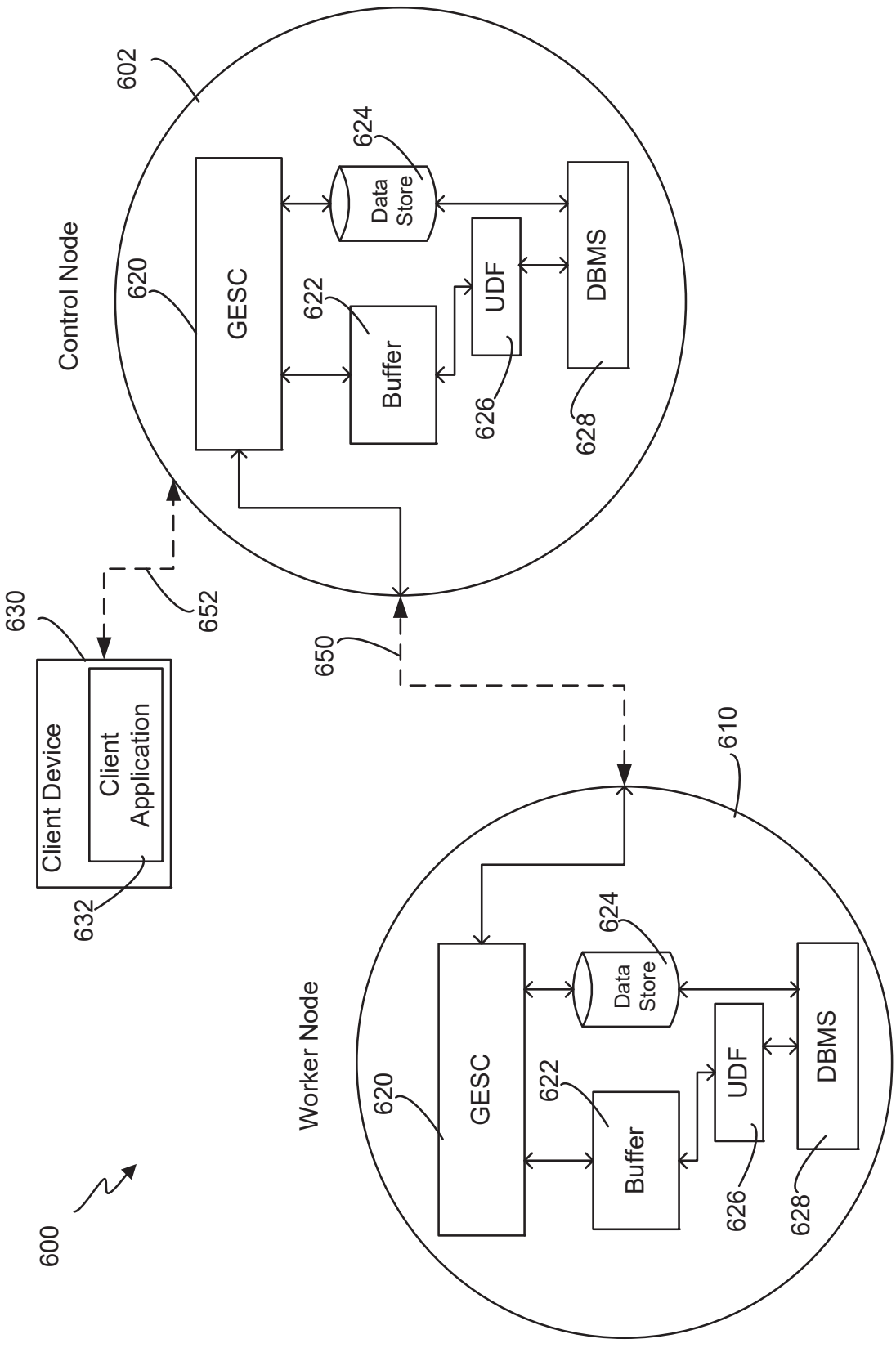

600
Client Device
Client Application
630
632
652
650
Control Node
602
GESC
620
Buffer
622
Data Store
624
UDF
626
DBMS
628
Worker Node
610
GESC
620
Buffer
622
Data Store
624
UDF
626
DBMS
628

FIG. 6

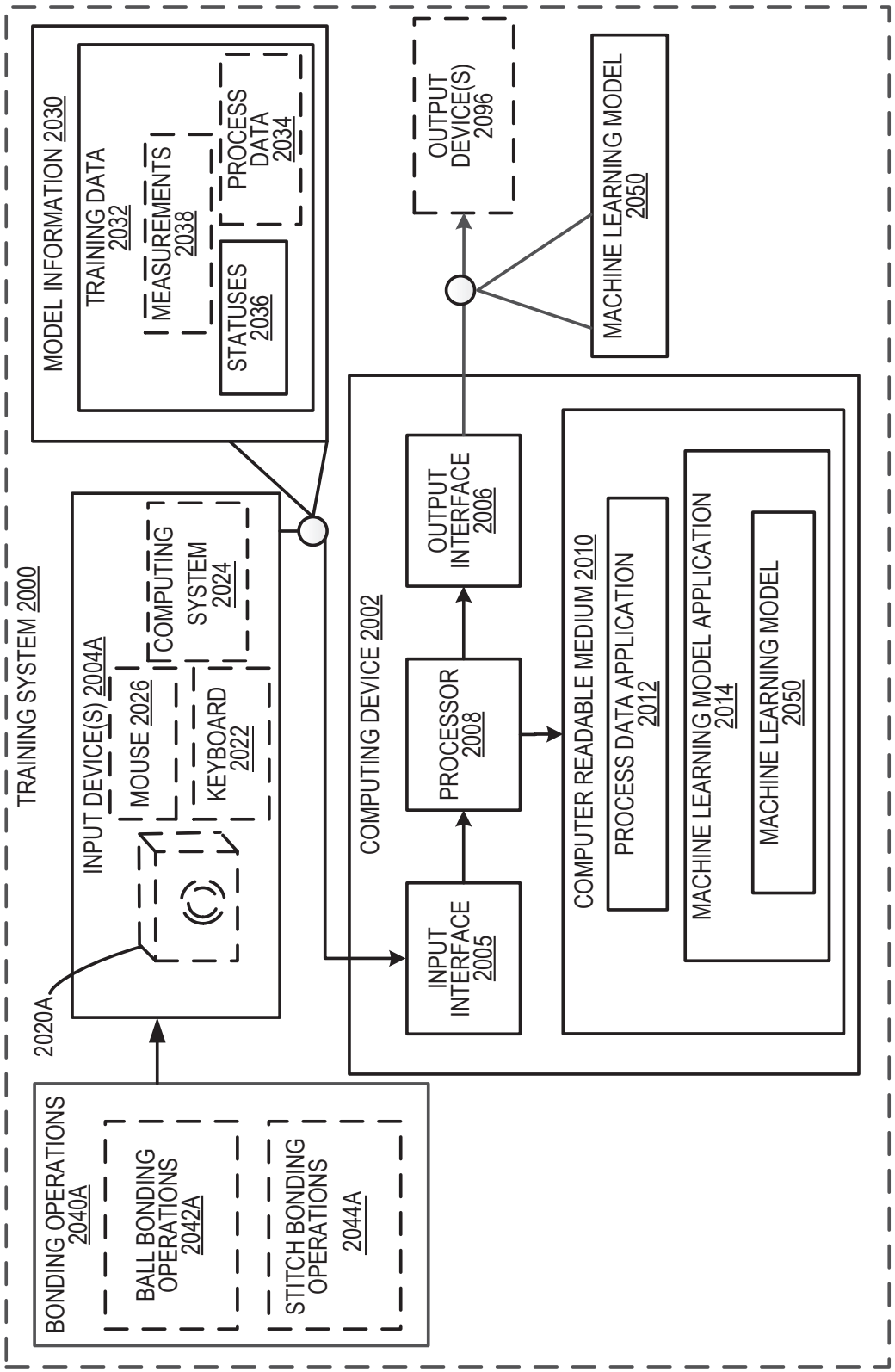

TRAINING SYSTEM 2000
BONDING OPERATIONS 2040A
BALL BONDING OPERATIONS 2042A
STITCH BONDING OPERATIONS 2044A
2020A
INPUT DEVICE(S) 2004A
MOUSE 2026
KEYBOARD 2022
COMPUTING SYSTEM 2024
MODEL INFORMATION 2030
TRAINING DATA 2032
MEASUREMENTS 2038
STATUSES 2036
PROCESS DATA 2034
COMPUTING DEVICE 2002
INPUT INTERFACE 2005
PROCESSOR 2008
OUTPUT INTERFACE 2006
COMPUTER READABLE MEDIUM 2010
PROCESS DATA APPLICATION 2012
MACHINE LEARNING MODEL APPLICATION 2014
MACHINE LEARNING MODEL 2050
OUTPUT DEVICE(S) 2096
MACHINE LEARNING MODEL 2050

FIG. 20A