Fig. 1

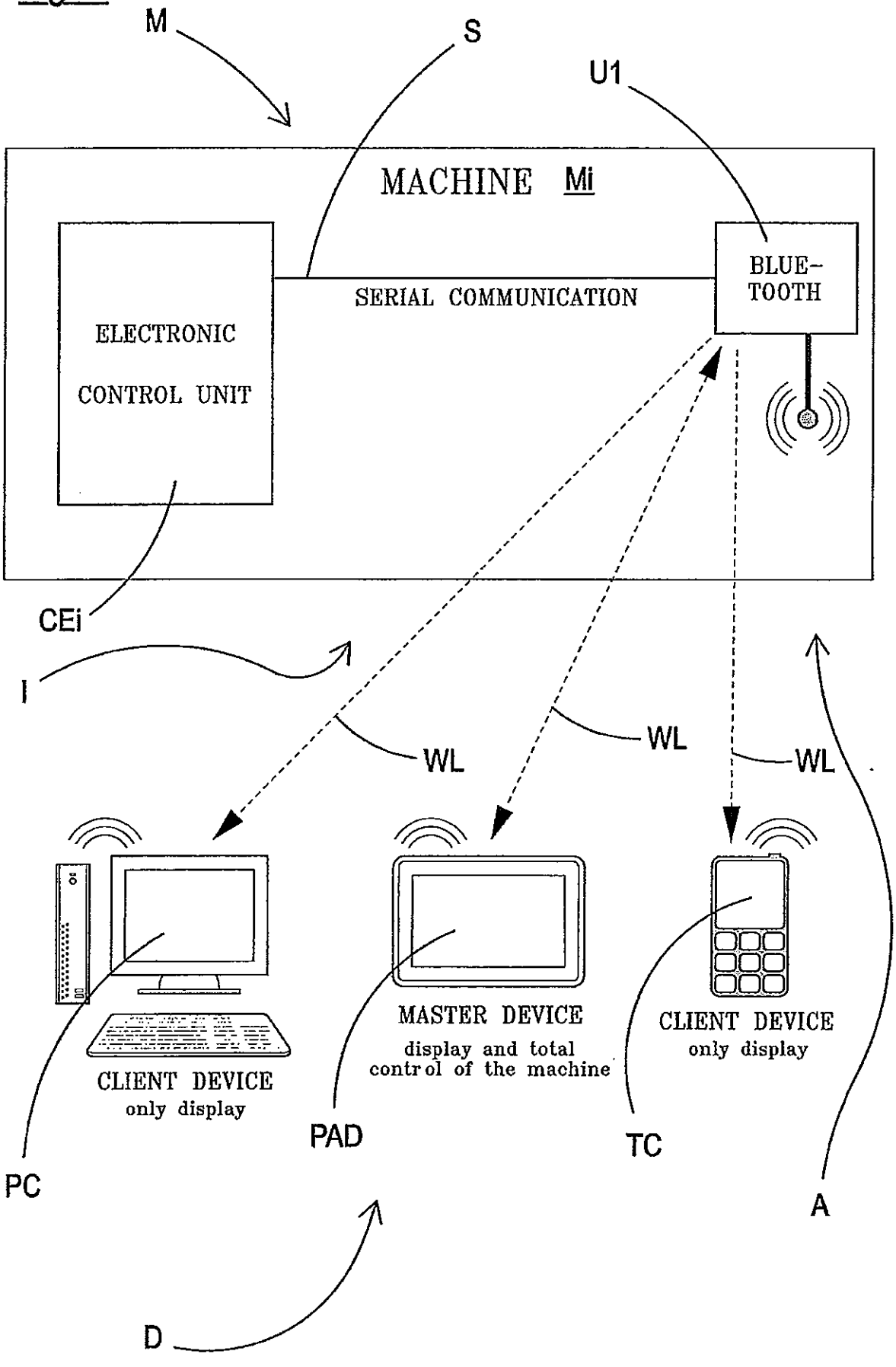

M
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MACHINE Mi
ELECTRONIC
CONTROL UNIT
SERIAL COMMUNICATION
BLUE-
TOOTH
CEi
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WL
WL
WL
CLIENT DEVICE
only display
MASTER DEVICE
display and total
control of the machine
CLIENT DEVICE
only display
PC
PAD
TC
A
D

Fig. 2

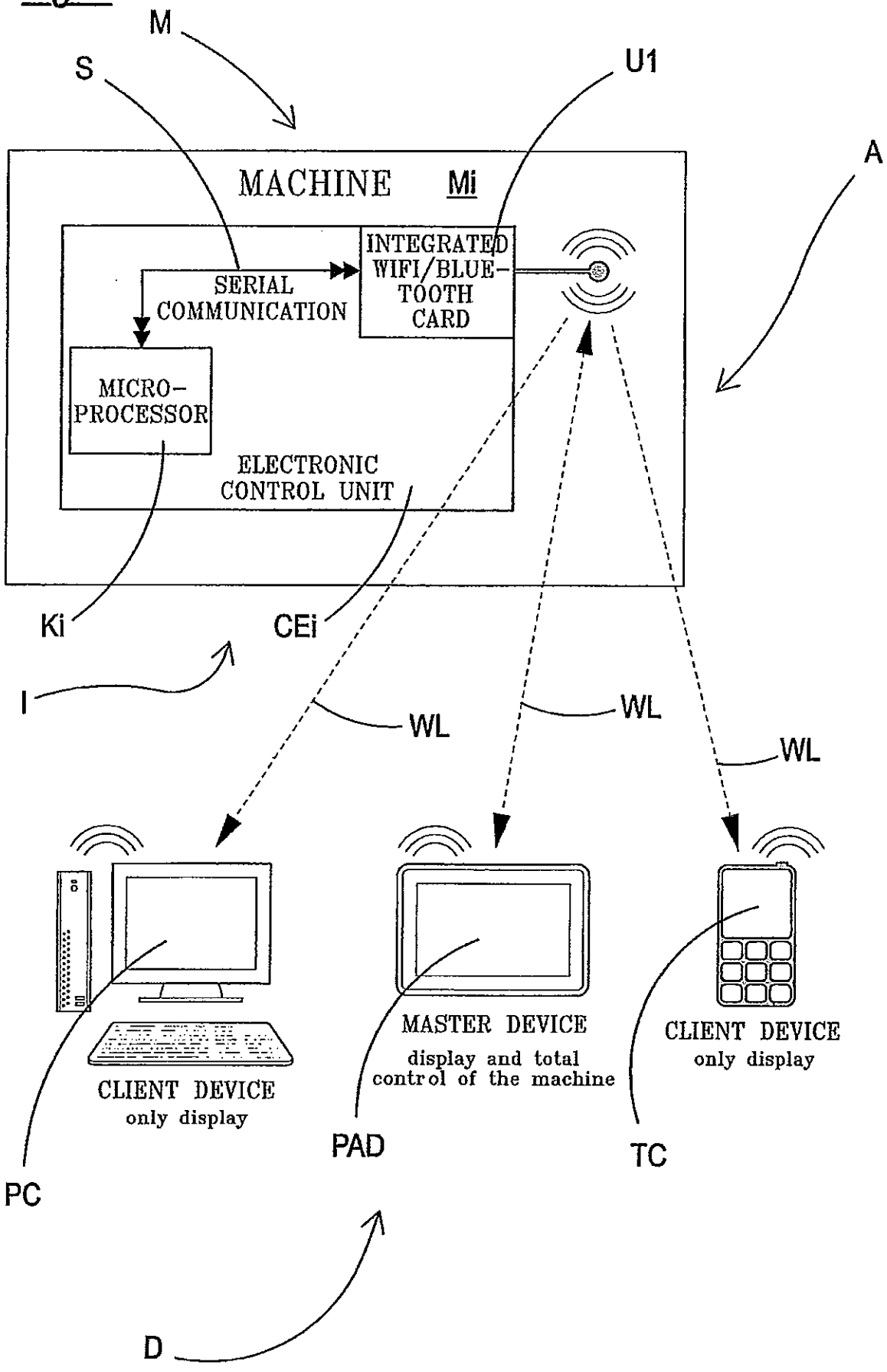

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MACHINE Mi
INTEGRATED WIFI/BLUE-TOOTH CARD
SERIAL COMMUNICATION
MICRO-PROCESSOR
ELECTRONIC CONTROL UNIT
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CLIENT DEVICE
only display
MASTER DEVICE
display and total control of the machine
CLIENT DEVICE
only display
PC
PAD
TC
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Fig. 3

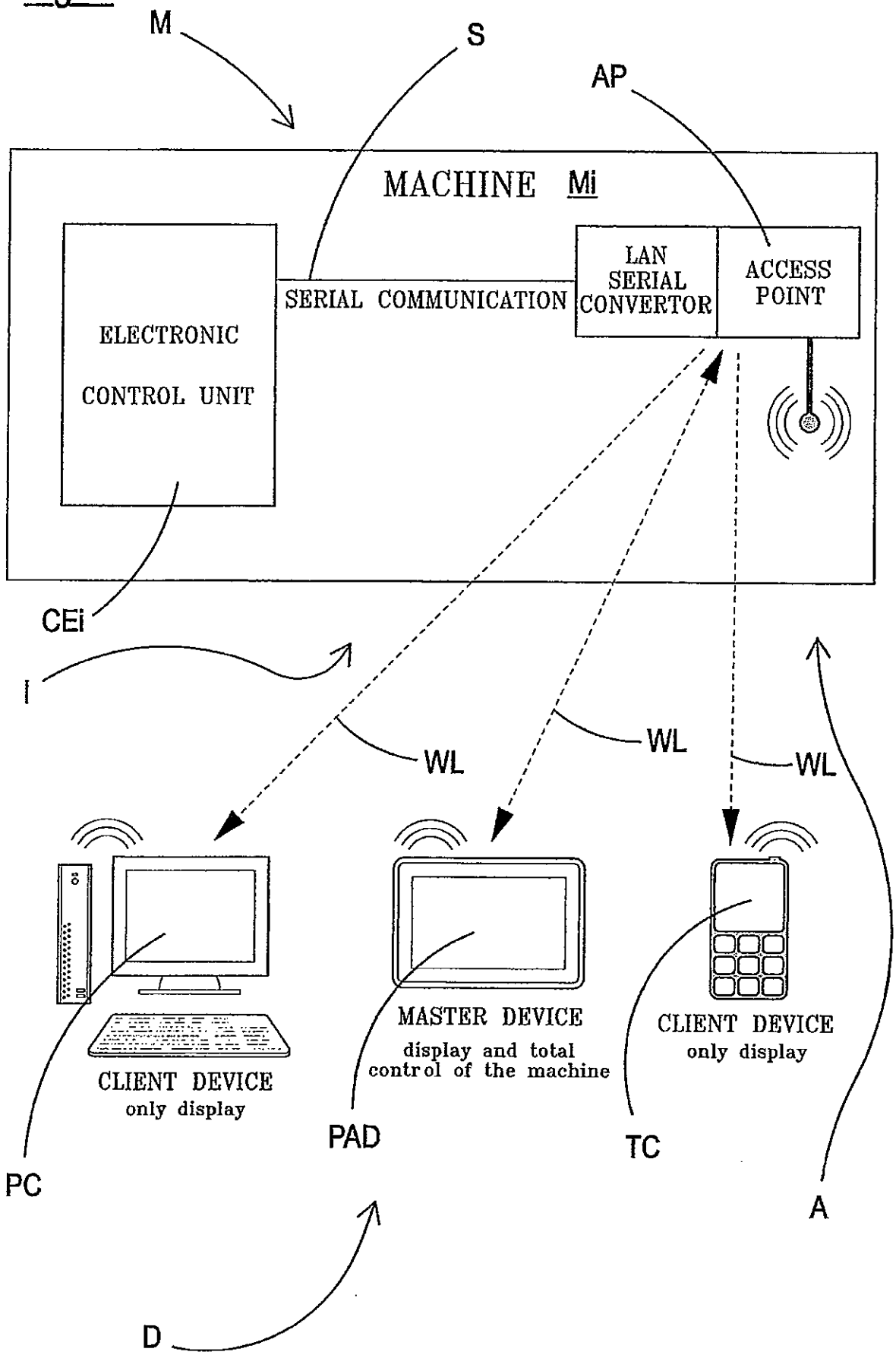

M
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MACHINE Mi
ELECTRONIC CONTROL UNIT
SERIAL COMMUNICATION
LAN SERIAL CONVERTOR
ACCESS POINT
CEi
I
WL
WL
WL
CLIENT DEVICE
only display
MASTER DEVICE
display and total control of the machine
CLIENT DEVICE
only display
PC
PAD
TC
A
D

Fig. 4

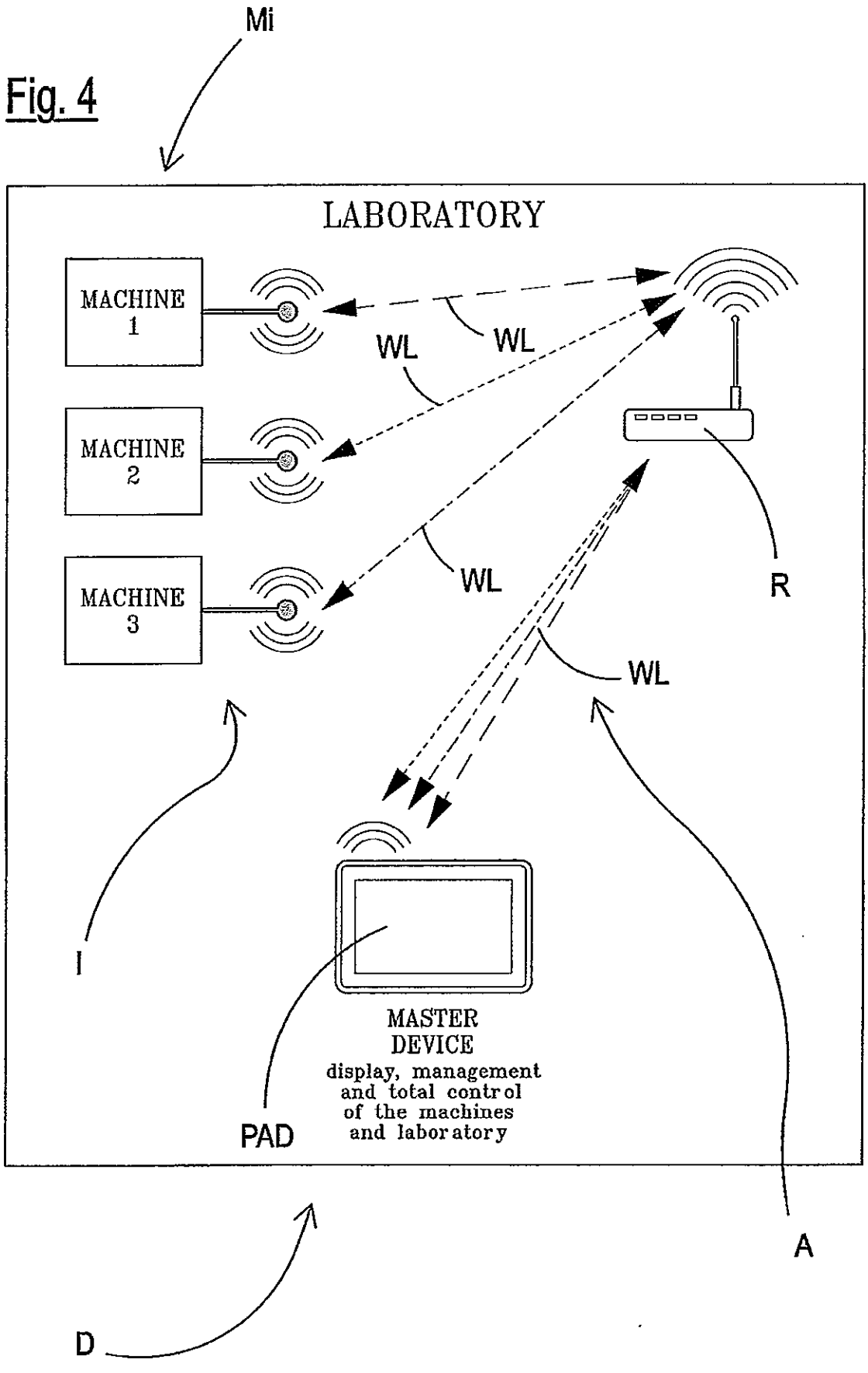

Mi
LABORATORY
MACHINE 1
MACHINE 2
MACHINE 3
WL
WL
WL
WL
R
I
MASTER DEVICE
display, management and total control of the machines and laboratory
PAD
A
D

Fig. 5

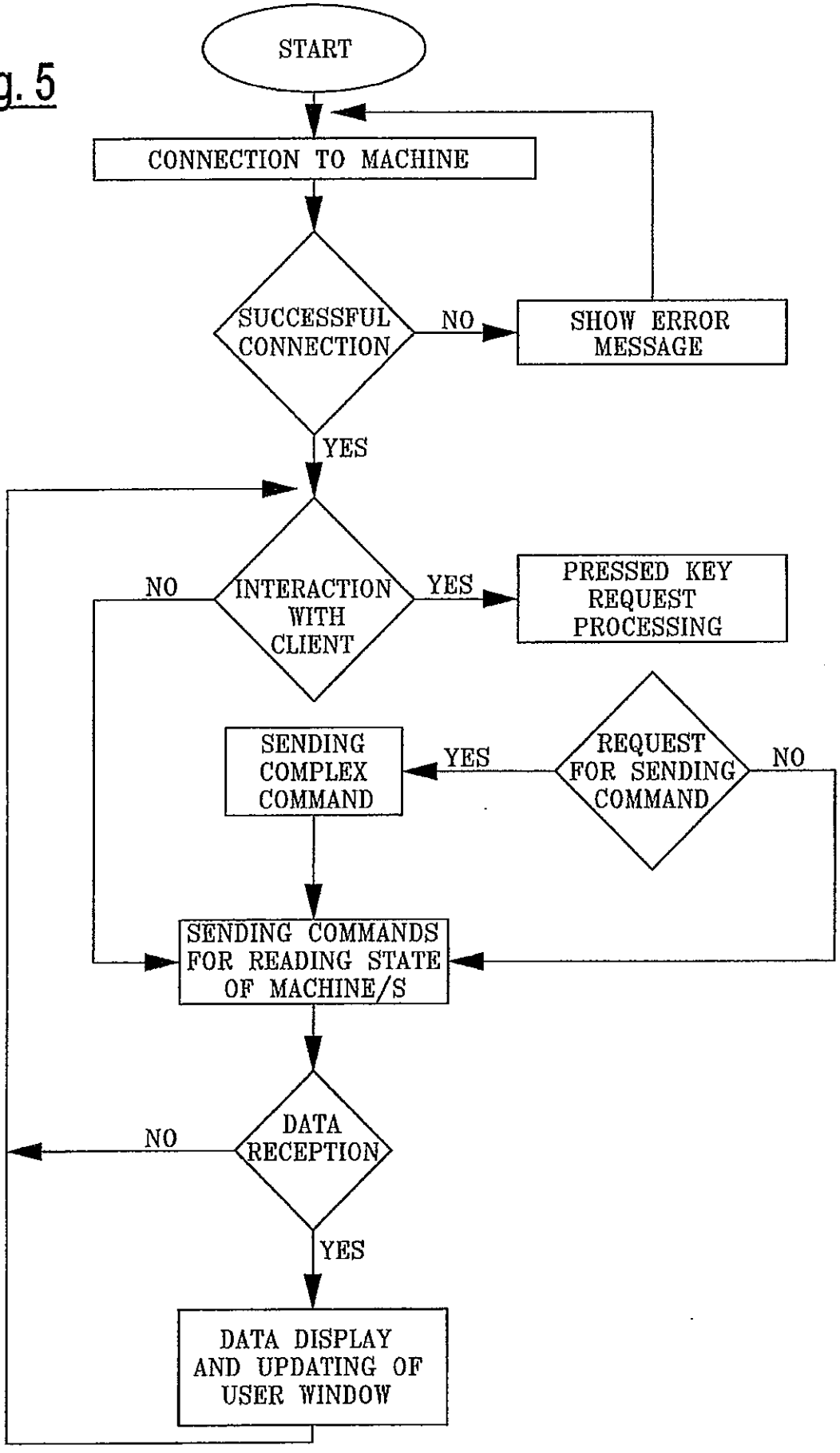
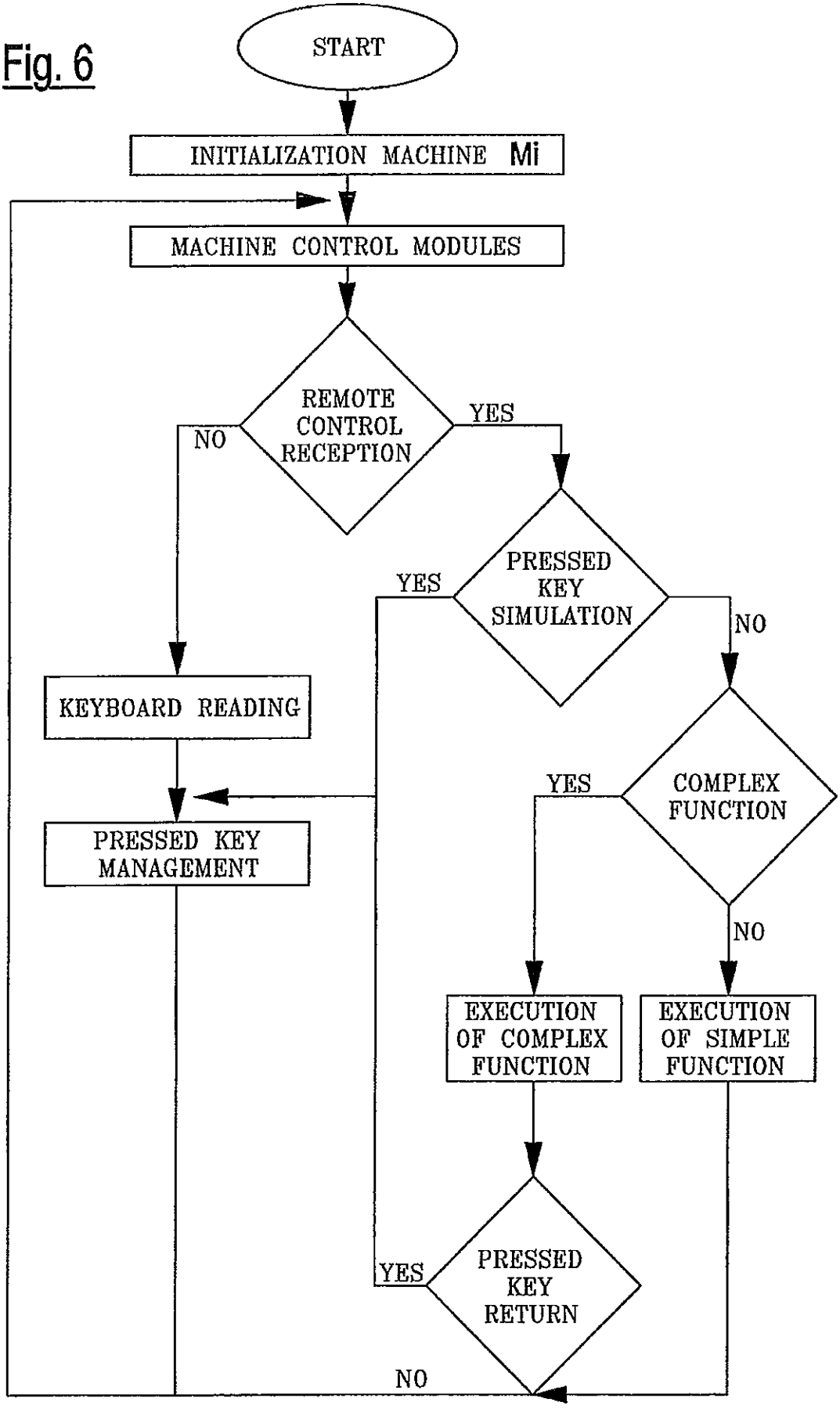

START
CONNECTION TO MACHINE
SUCCESSFUL CONNECTION
NO
SHOW ERROR MESSAGE
YES
INTERACTION WITH CLIENT
NO
YES
PRESSED KEY REQUEST PROCESSING
SENDING COMPLEX COMMAND
YES
REQUEST FOR SENDING COMMAND
NO
SENDING COMMANDS FOR READING STATE OF MACHINE/S
DATA RECEPTION
NO
YES
DATA DISPLAY AND UPDATING OF USER WINDOW

Fig. 6


START
INITIALIZATION MACHINE Mi
MACHINE CONTROL MODULES
REMOTE CONTROL RECEPTION
NO
YES
PRESSED KEY SIMULATION
YES
NO
KEYBOARD READING
COMPLEX FUNCTION
YES
NO
PRESSED KEY MANAGEMENT
EXECUTION OF COMPLEX FUNCTION
EXECUTION OF SIMPLE FUNCTION
PRESSED KEY RETURN
YES
NO