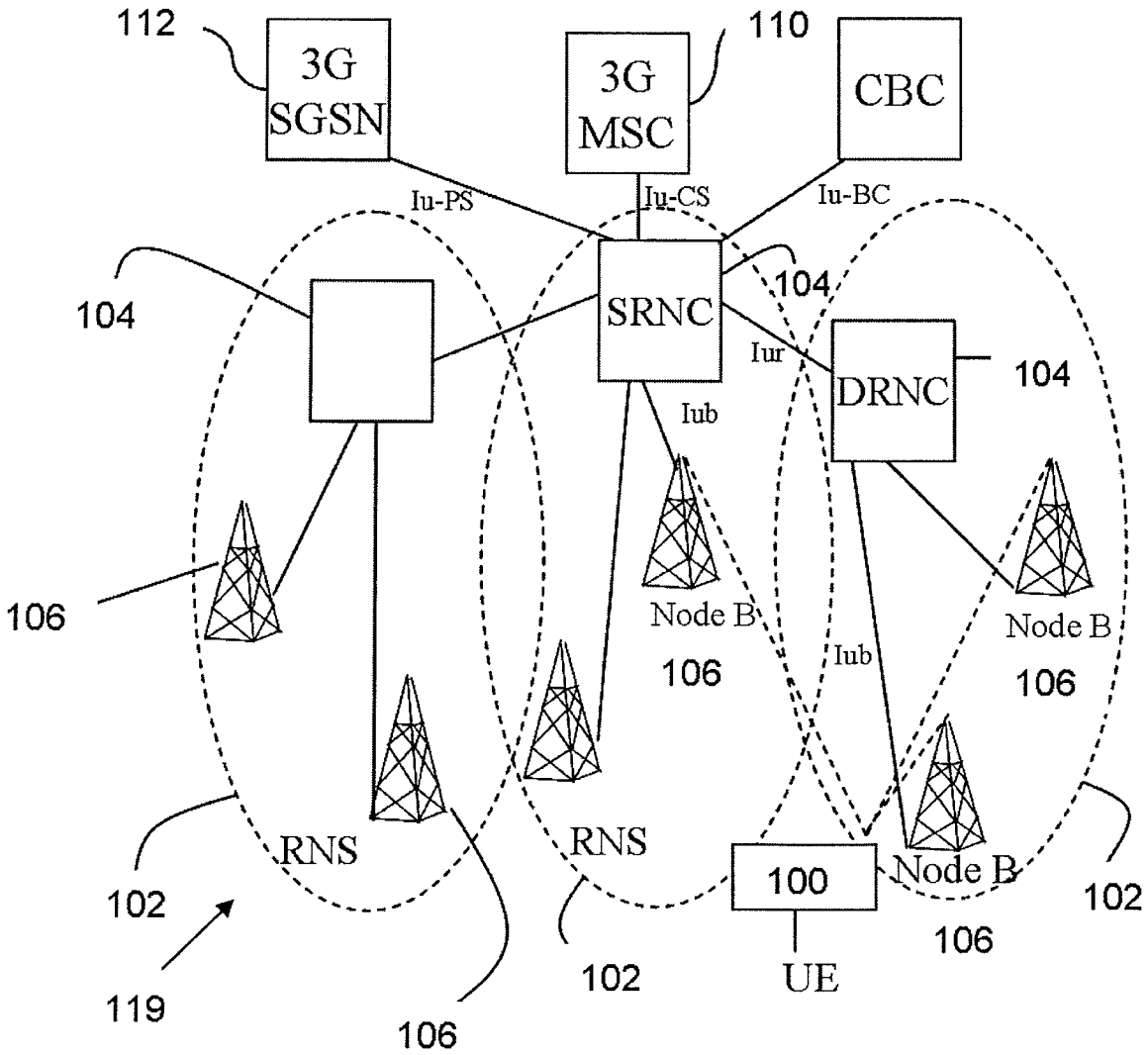

112
3G SGSN
3G MSC
110
CBC
Iu-PS
Iu-CS
Iu-BC
104
SRNC
104
Iur
DRNC
104
Iub
106
Node B
106
Iub
Node B
106
RNS
RNS
100
Node B
102
102
102
119
106
UE
106

Fig. 1

201 202 203

UMTS Operating Band	UL frequencies, UE transmit, Network receive (MHz)	DL frequencies, UE receive, Network transmit (MHz)
I	1920 - 1980	2110 - 2170
II	1850 - 1910	1930 - 1990
III	1710 - 1785	1805 - 1880
IV	1710 - 1755	2110 - 2155
V	824 - 849	869 - 894
VI	830 - 840	875 - 885
VII	2500 - 2570	2620 - 2690
VIII	880 - 915	925 - 960
IX	1749.9 - 1784.6	1844.9 - 1879.9
X	1710 - 1770	2110 - 2170

Fig. 2

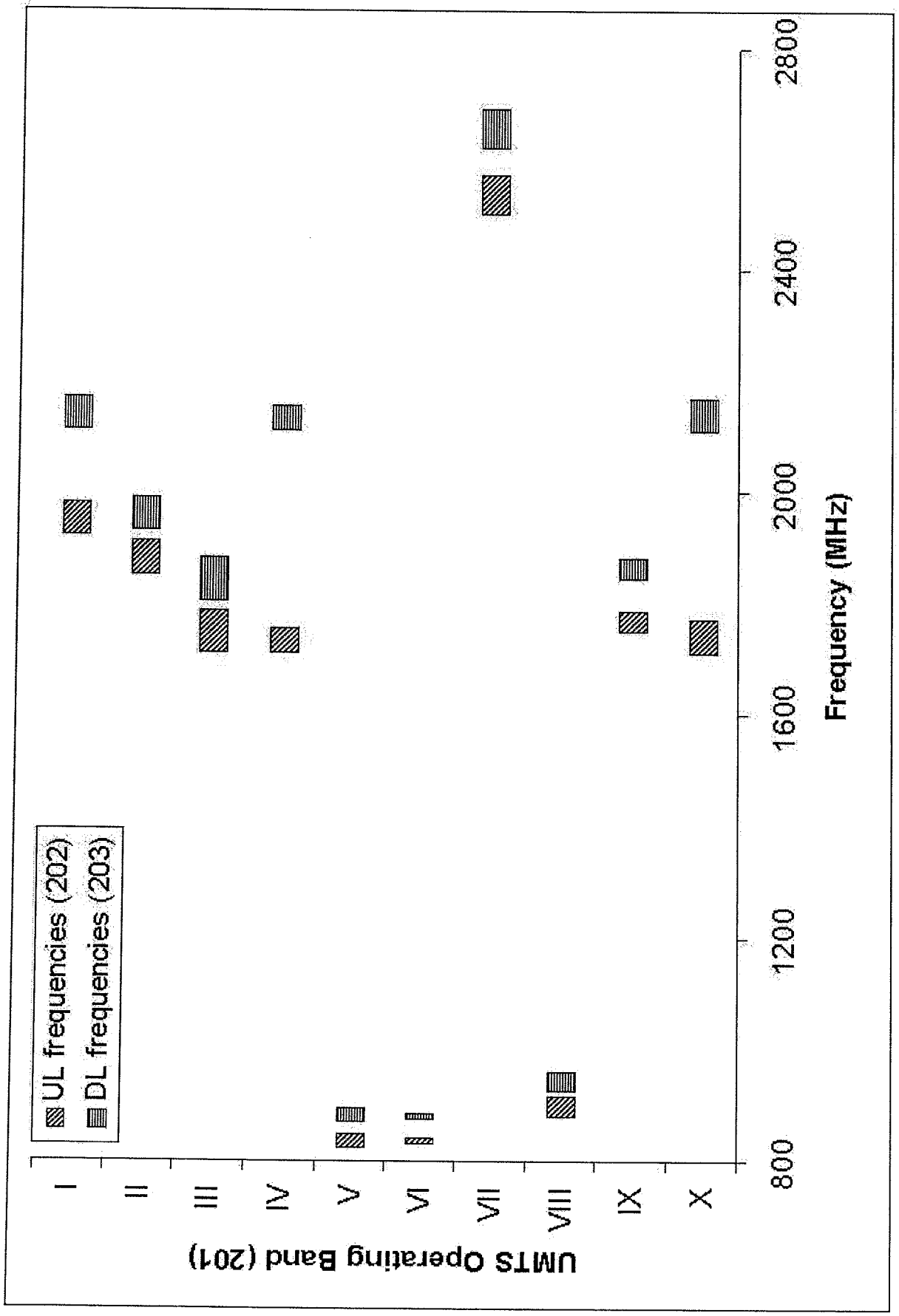

UL frequencies (202)
DL frequencies (203)
UMTS Operating Band (201)
I
II
III
IV
V
VI
VII
VIII
IX
X
800
1200
1600
2000
2400
2800
Frequency (MHz)

Fig. 3

201 204 205

UMTS Operating Band	Additional Uplink (UL) Carrier Frequency (MHz)	Additional Downlink (DL) Carrier Frequency (MHz)
I	-	-
II	1852.5, 1857.5, 1862.5, 1867.5, 1872.5, 1877.5, 1882.5 ,1887.5, 1892.5, 1897.5, 1902.5, 1907.5	1932.5, 1937.5, 1942.5, 1947.5, 1952.5, 1957.5, 1962.5, 1967.5, 1972.5, 1977.5, 1982.5, 1987.5
III	-	-
IV	1712.5, 1717.5, 1722.5, 1727.5, 1732.5, 1737.5, 1742.5, 1747.5, 1752.5	2112.5, 2117.5, 2122.5, 2127.5, 2132.5, 2137.5, 2142.5, 2147.5, 2152.5
V	826.5, 827.5, 831.5, 832.5, 837.5, 842.5	871.5, 872.5, 876.5, 877.5, 882.5, 887.5
VI	832.5, 837.5	877.5, 882.5
VII	2502.5, 2507.5, 2512.5, 2517.5, 2522.5, 2527.5, 2532.5, 2537.5, 2542.5, 2547.5, 2552.5, 2557.5, 2562.5, 2567.5	2622.5, 2627.5, 2632.5, 2637.5, 2642.5, 2647.5, 2652.5, 2657.5, 2662.5, 2667.5, 2672.5, 2677.5, 2682.5, 2687.5
VIII	-	-
IX	-	-
X	1712.5, 1717.5, 1722.5, 1727.5, 1732.5, 1737.5, 1742.5, 1747.5, 1752.5, 1757.5, 1762.5, 1767.5	2112.5, 2117.5, 2122.5, 2127.5, 2132.5, 2137.5, 2142.5, 2147.5, 2152.5, 2157.5, 2162.5, 2167.5

Fig. 4

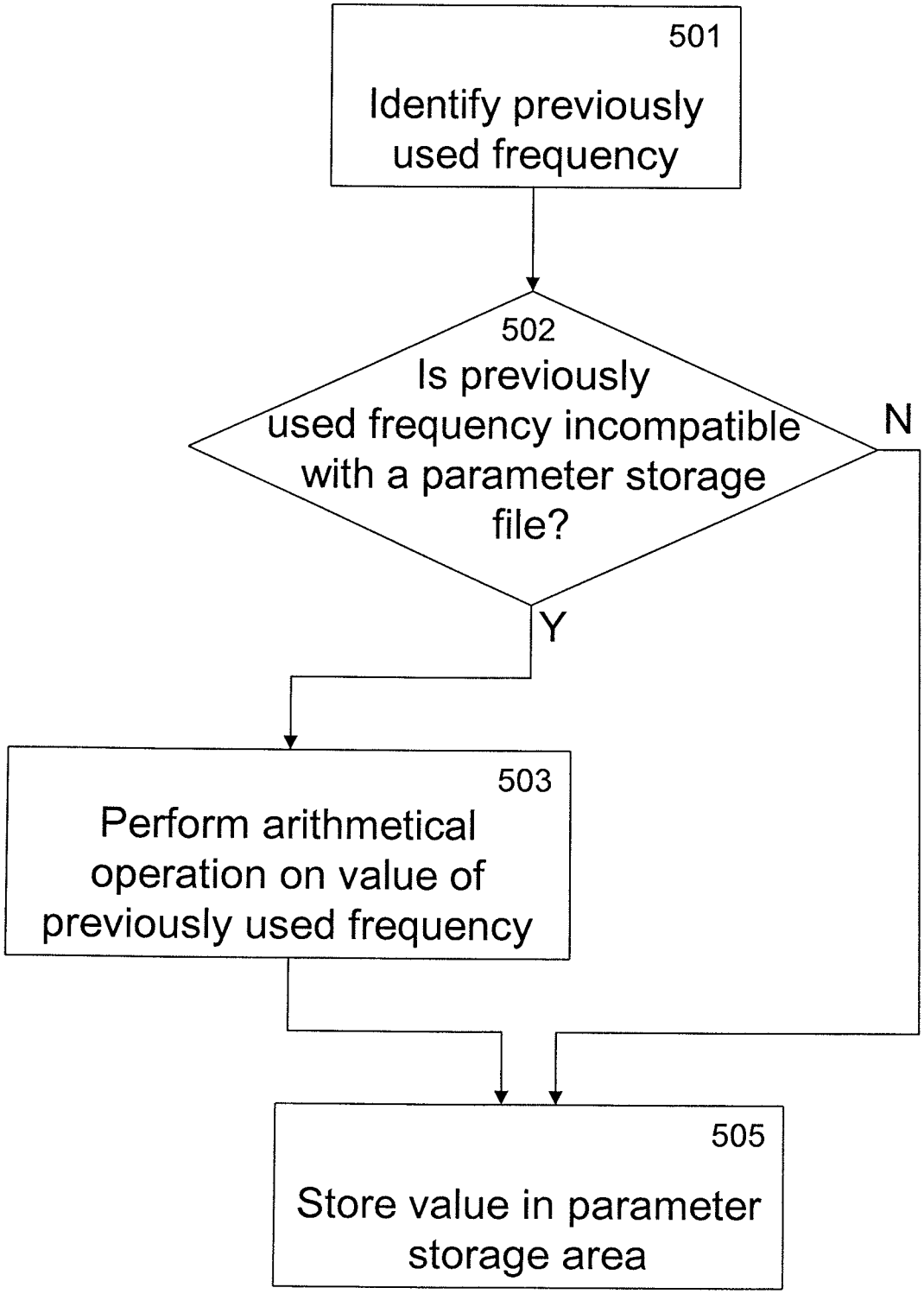

501
Identify previously used frequency
502
Is previously used frequency incompatible with a parameter storage file?
N
Y
503
Perform arithmetical operation on value of previously used frequency
505
Store value in parameter storage area

Fig. 5

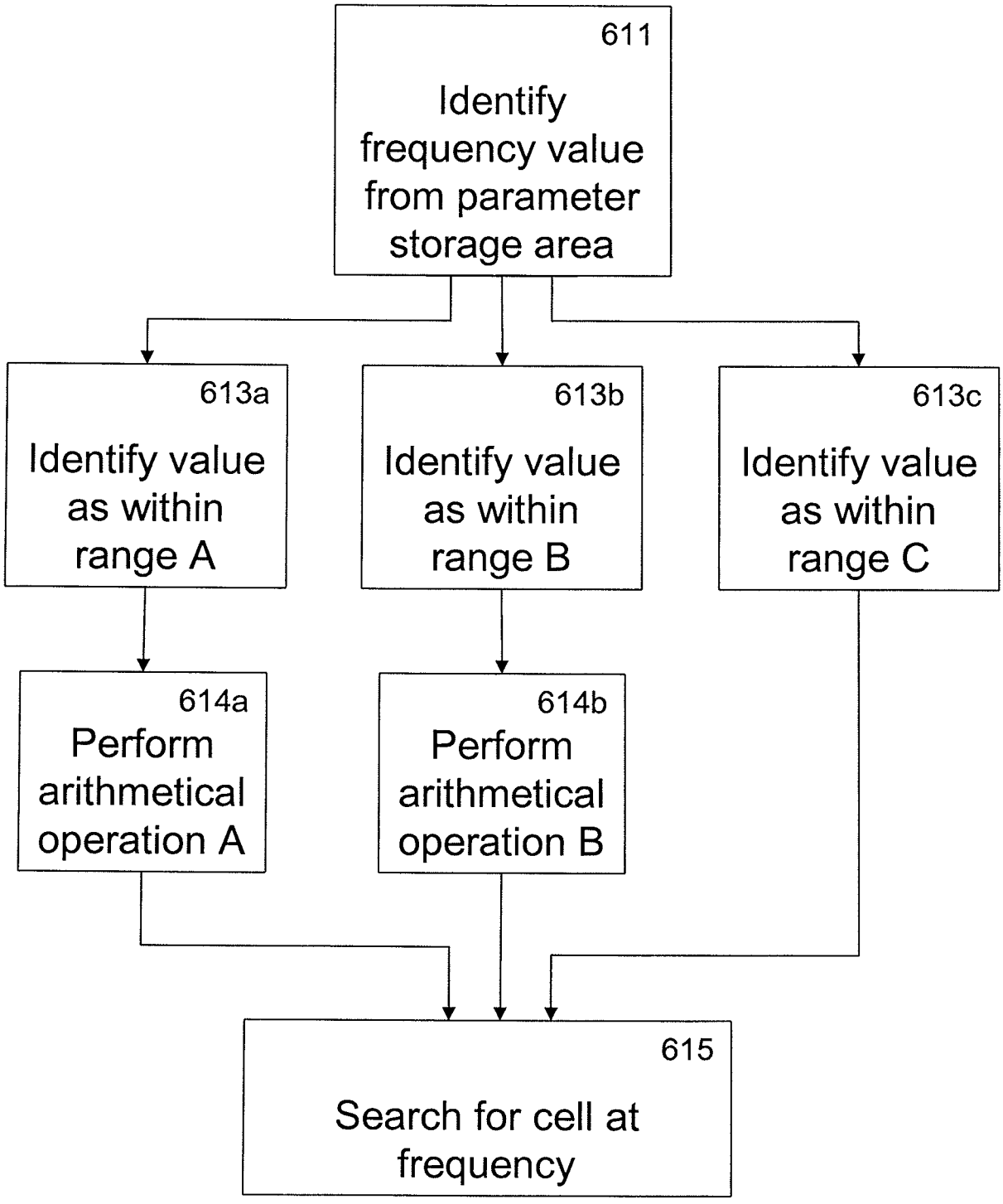

611
Identify frequency value from parameter storage area
613a
Identify value as within range A
613b
Identify value as within range B
613c
Identify value as within range C
614a
Perform arithmetical operation A
614b
Perform arithmetical operation B
615
Search for cell at frequency

Fig. 6

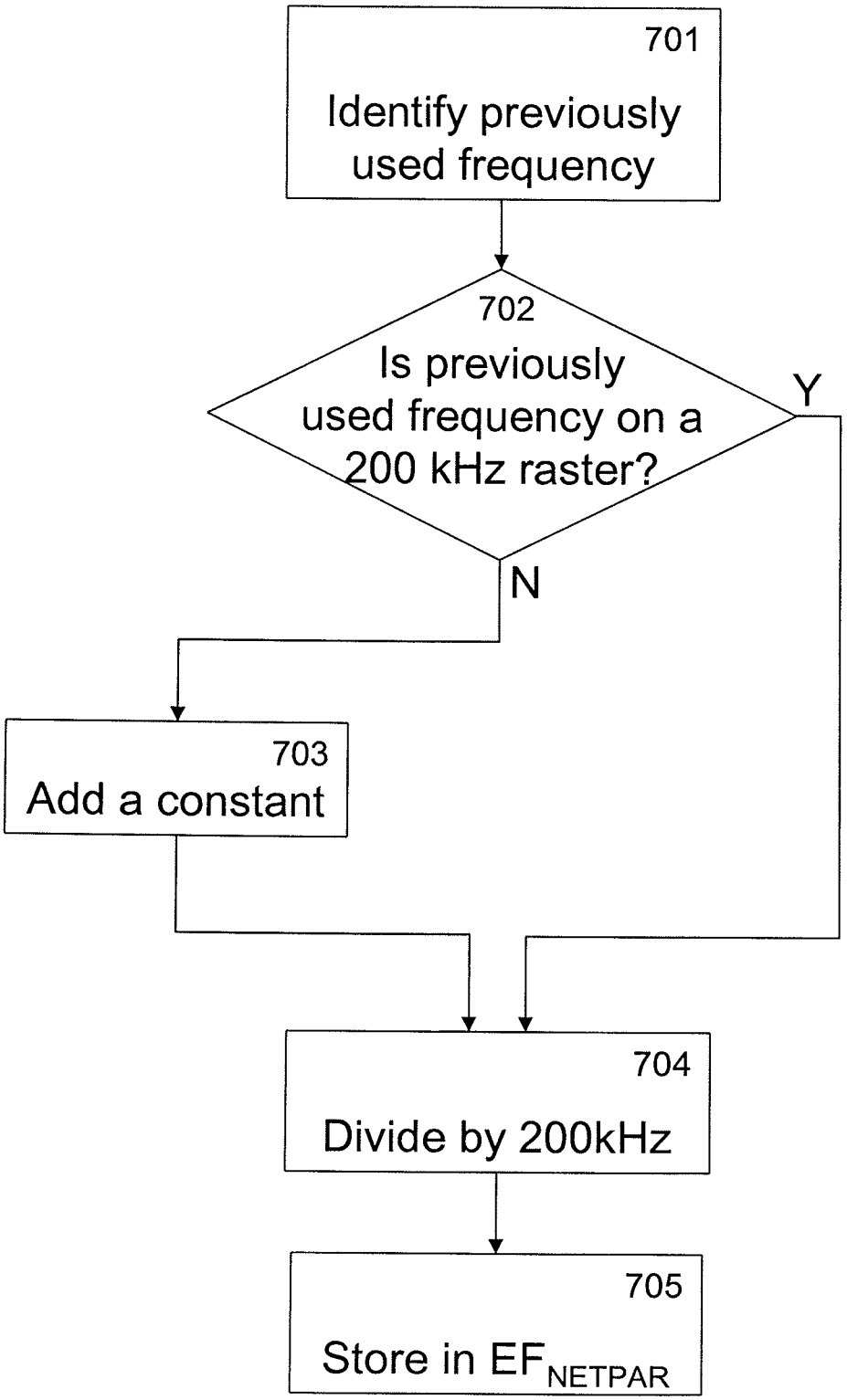

701
Identify previously used frequency
702
Is previously used frequency on a 200 kHz raster?
Y
N
703
Add a constant
704
Divide by 200kHz
705
Store in EF NETPAR

Fig. 7

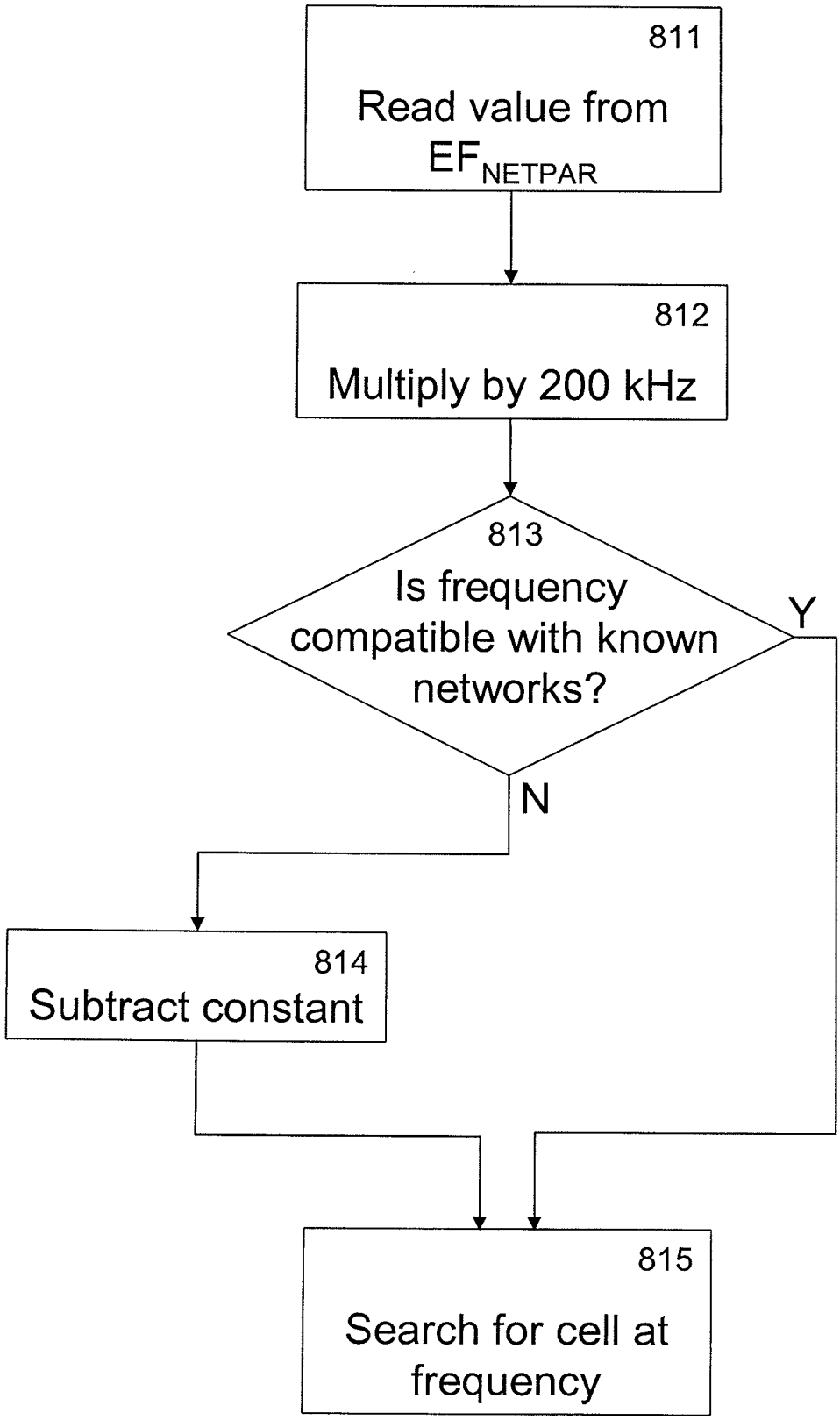

811
Read value from EF NETPAR
812
Multiply by 200 kHz
813
Is frequency compatible with known networks?
Y
N
814
Subtract constant
815
Search for cell at frequency

Fig. 8

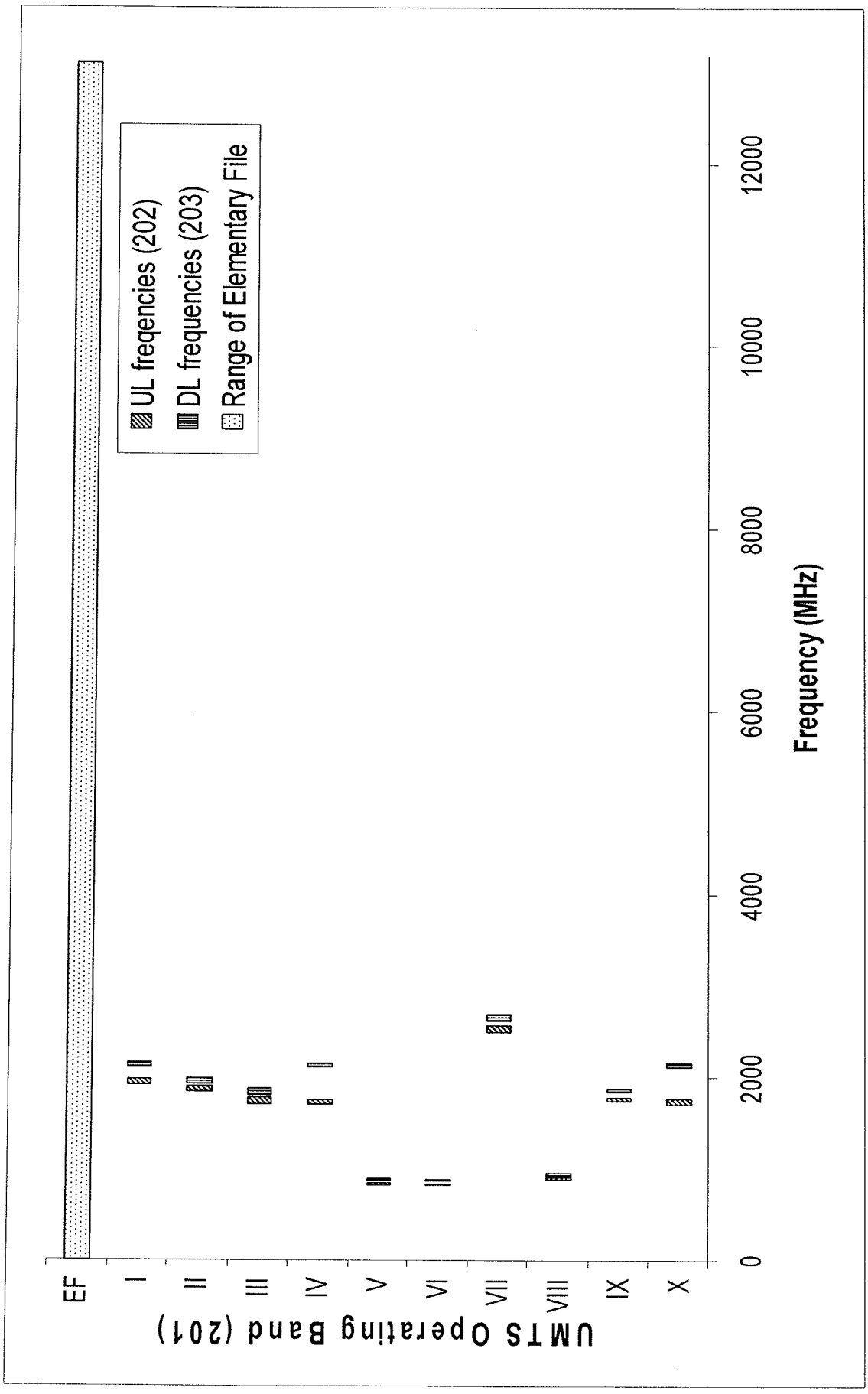

UL freqencies (202)
DL frequencies (203)
Range of Elementary File
UMTS Operating Band (201)
EF
I
II
III
IV
V
VI
VII
VIII
IX
X
0
2000
4000
6000
8000
10000
12000
Frequency (MHz)

Fig. 9

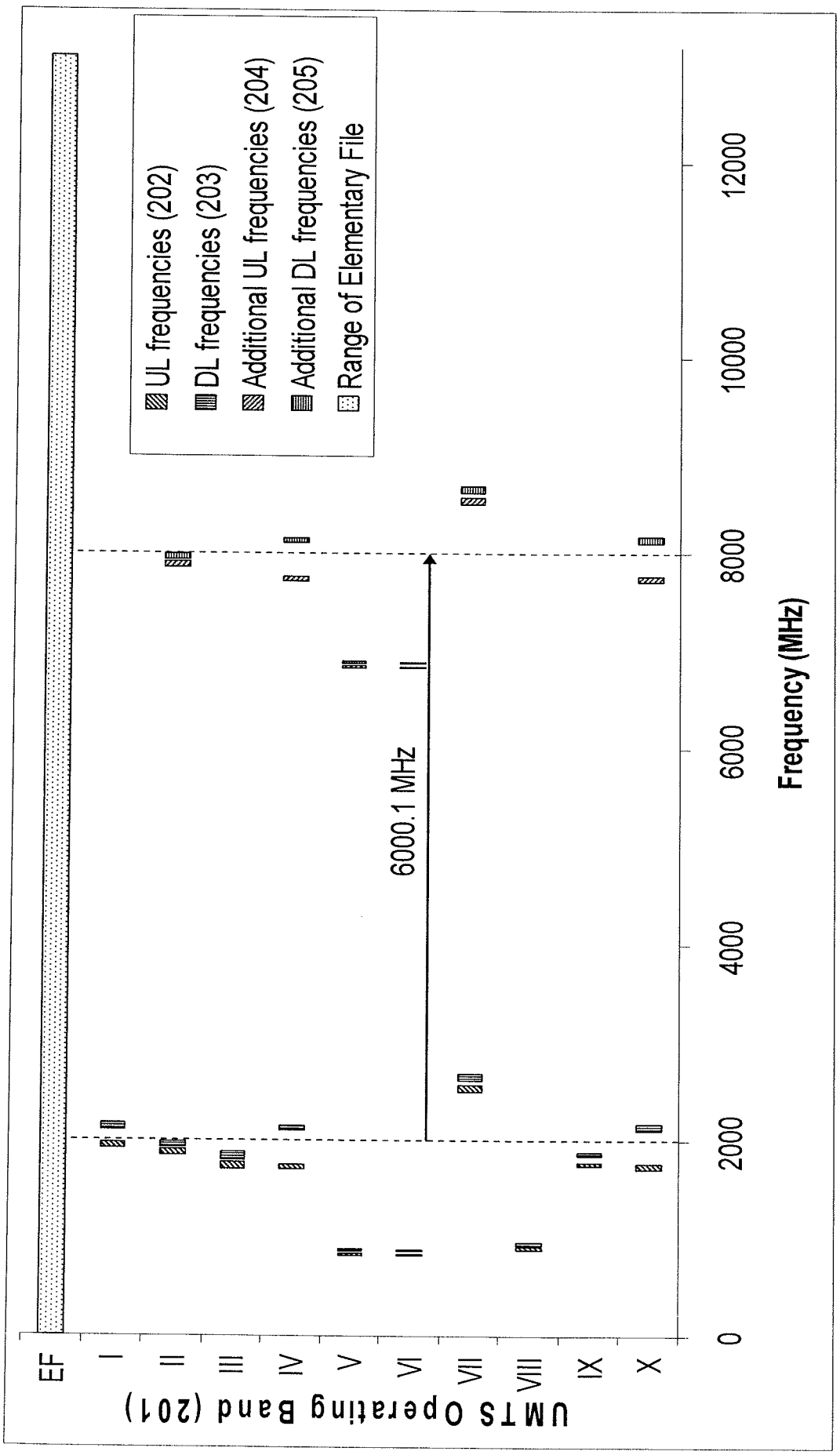

UL frequencies (202)
DL frequencies (203)
Additional UL frequencies (204)
Additional DL frequencies (205)
Range of Elementary File
6000.1 MHz
UMTS Operating Band (201)
EF
I
II
III
IV
V
VI
VII
VIII
IX
X
0
2000
4000
6000
8000
10000
12000
Frequency (MHz)

Fig. 10

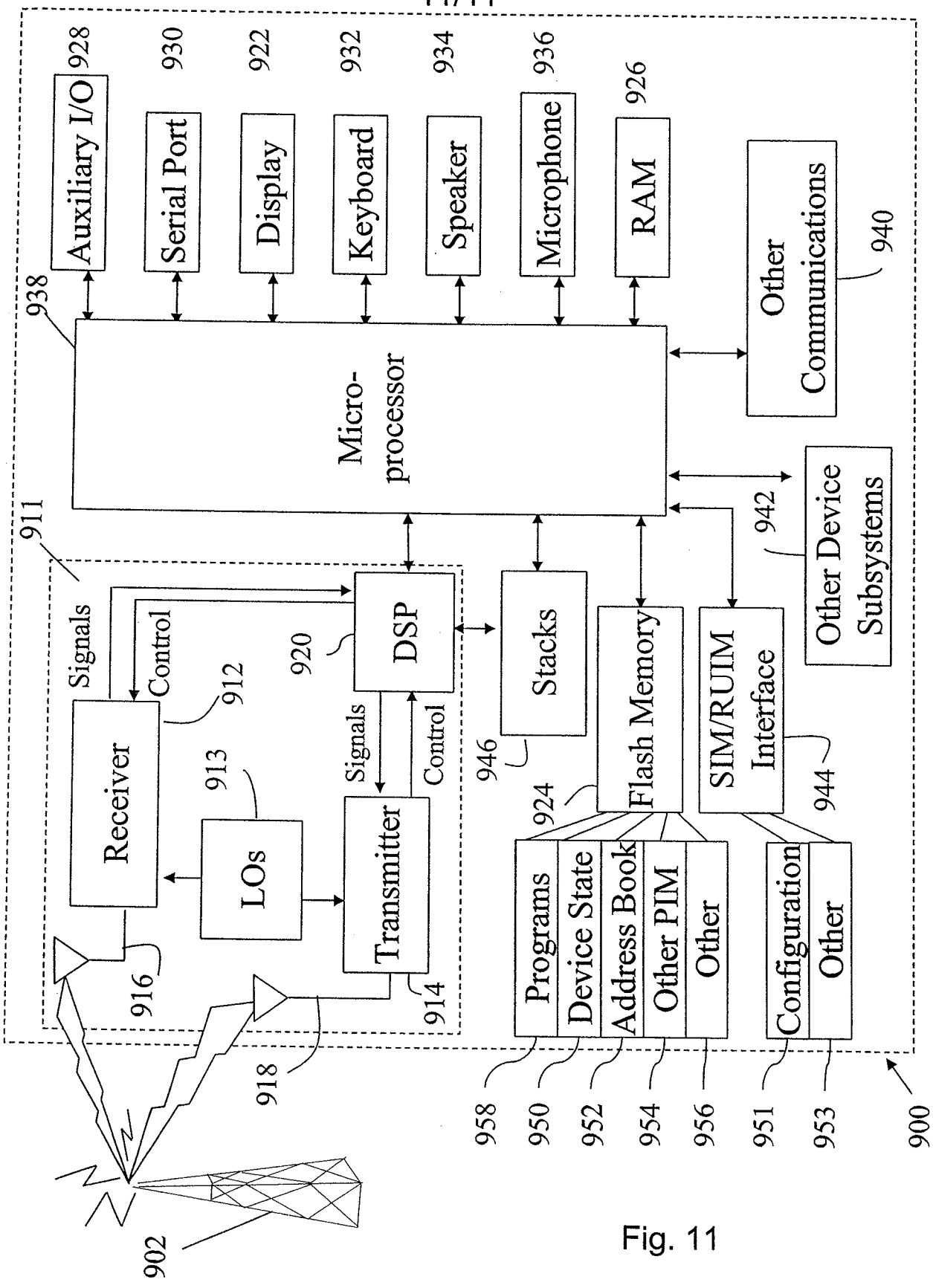

Auxiliary I/O
928
Serial Port
930
Display
922
Keyboard
932
Speaker
934
Microphone
936
RAM
926
Other Communications
940
938
Micro-processor
911
Signals
Control
912
Receiver
913
LOs
916
Transmitter
914
Signals
Control
920
DSP
Stacks
946
Flash Memory
924
SIM/RUIM Interface
944
Other Device Subsystems
942
Programs
Device State
Address Book
Other PIM
Other
Configuration
Other
958
950
952
954
956
951
953
900
902
918

Fig. 11