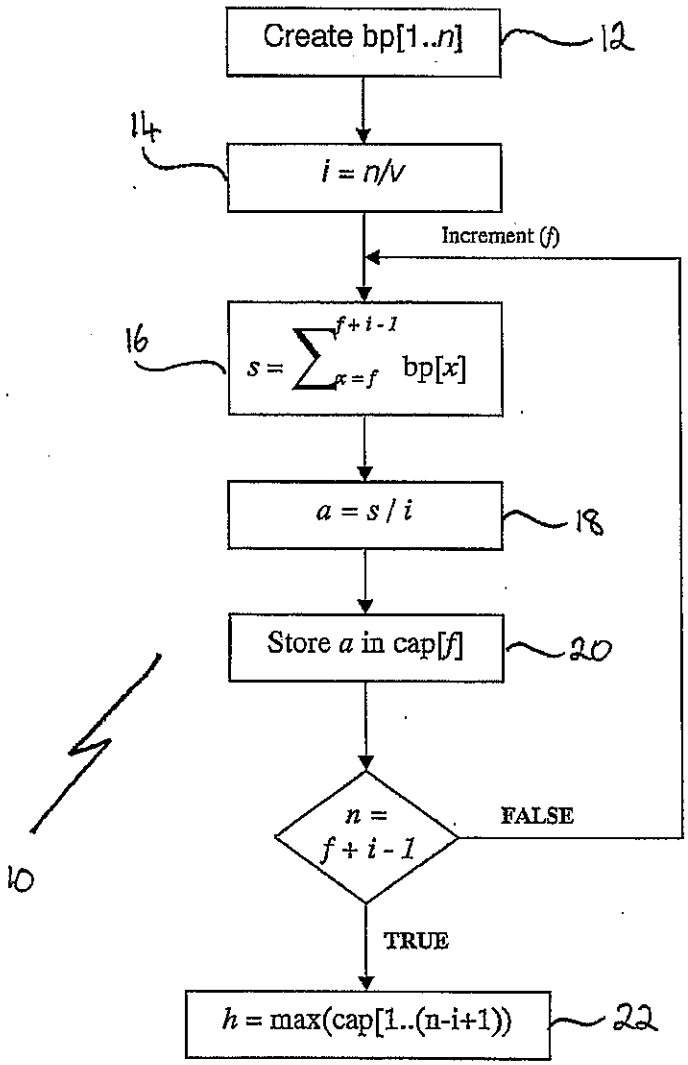

Create bp[1..n]
12
14
i = n/v
Increment (f)
16
$s = \sum_{x=f}^{f+i-1} bp[x]$
a = s / i
18
Store a in cap[f]
20
10
n = f + i - 1
FALSE
TRUE
h = max(cap[1..(n-i+1))
22

FIGURE 1

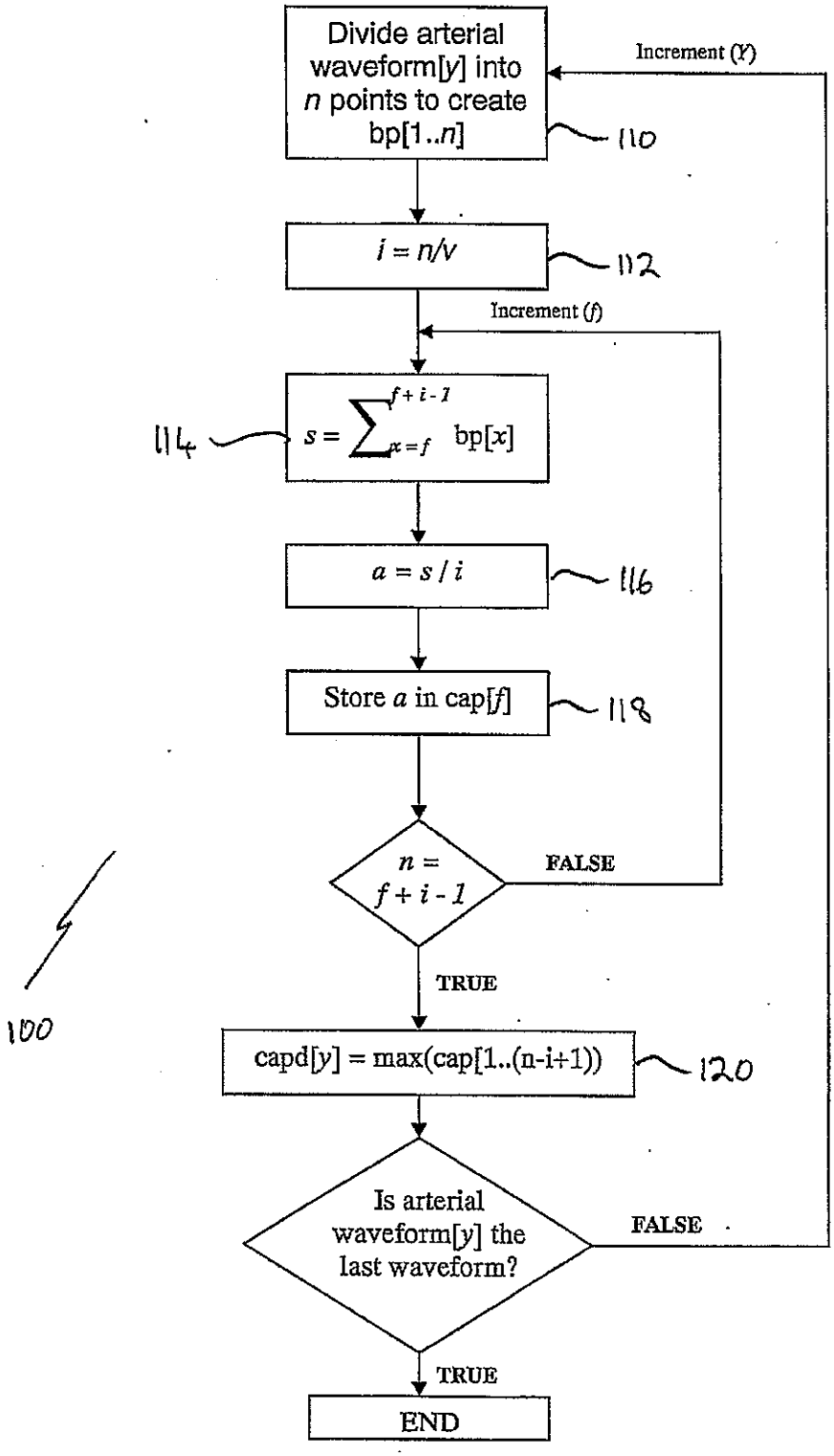

Divide arterial waveform[y] into n points to create bp[1..n]
110
Increment (Y)
i = n/v
112
Increment (f)
114
$s = \sum_{x=f}^{f+i-1} bp[x]$
a = s / i
116
Store a in cap[f]
118
n = f + i - 1
FALSE
TRUE
100
capd[y] = max(cap[1..(n-i+1))
120
Is arterial waveform[y] the last waveform?
FALSE
TRUE
END

FIGURE 2

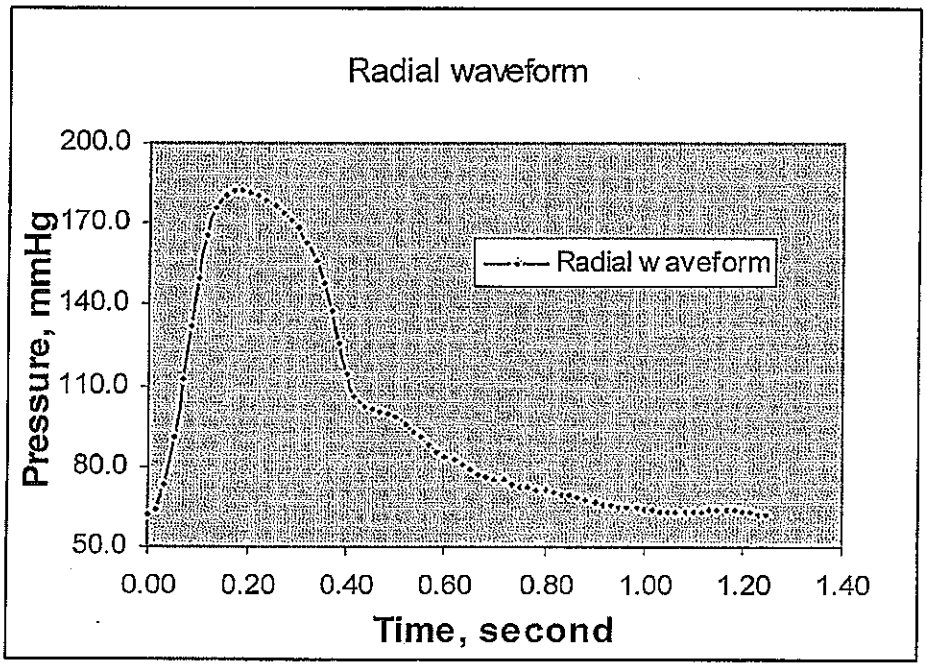

Radial waveform
200.0
170.0
140.0
110.0
80.0
50.0
Pressure, mmHg
Radial waveform
0.00
0.20
0.40
0.60
0.80
1.00
1.20
1.40
Time, second

FIGURE 3