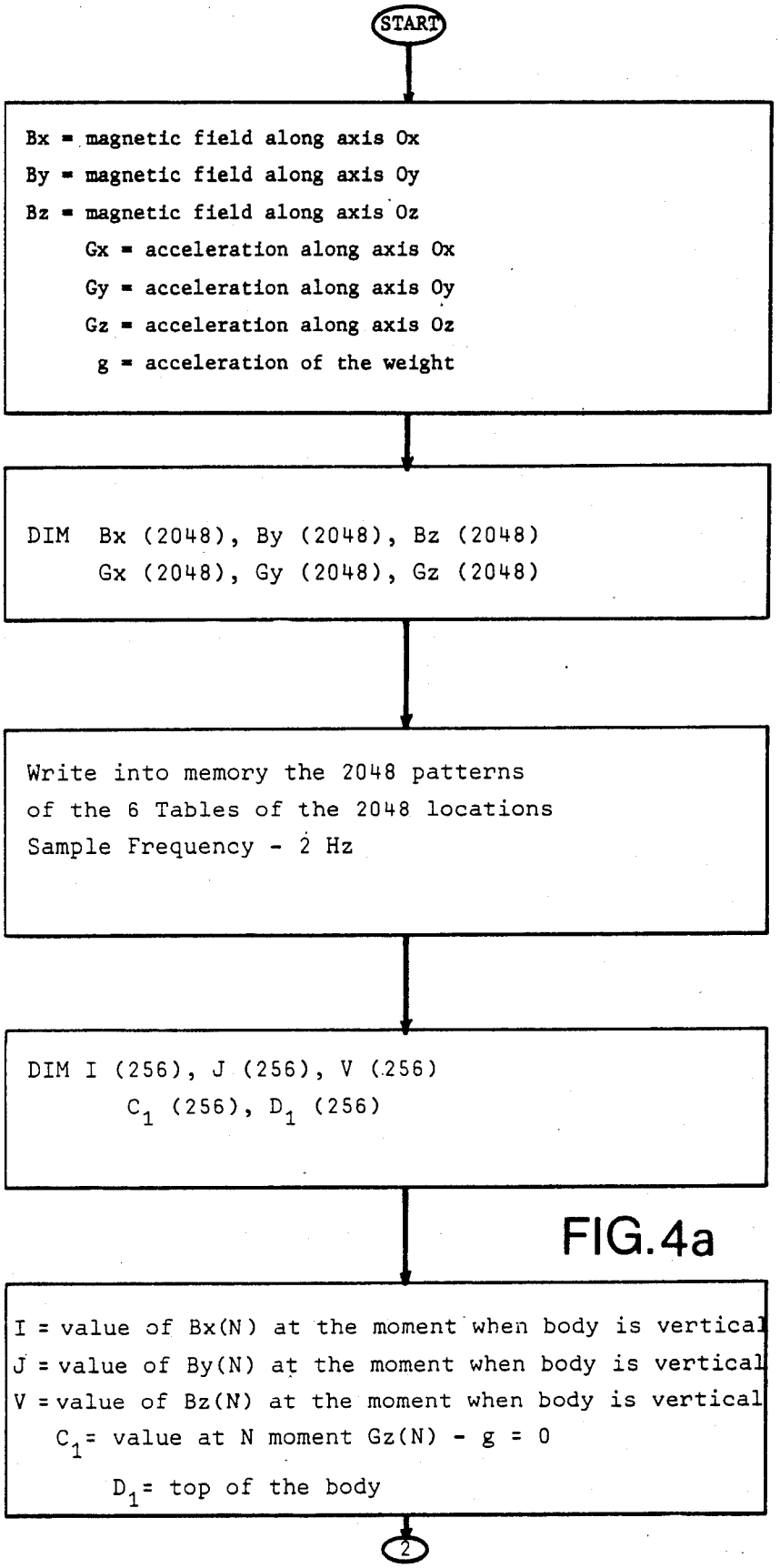
START
Bx = magnetic field along axis Ox
By = magnetic field along axis Oy
Bz = magnetic field along axis Oz
Gx = acceleration along axis Ox
Gy = acceleration along axis Oy
Gz = acceleration along axis Oz
g = acceleration of the weight
DIM Bx (2048), By (2048), Bz (2048)
Gx (2048), Gy (2048), Gz (2048)
Write into memory the 2048 patterns
of the 6 Tables of the 2048 locations
Sample Frequency - 2 Hz
DIM I (256), J (256), V (256)
C1 (256), D1 (256)
I = value of Bx(N) at the moment when body is vertical
J = value of By(N) at the moment when body is vertical
V = value of Bz(N) at the moment when body is vertical
C1 = value at N moment Gz(N) - g = 0
D1 = top of the body
2

FIG.4a