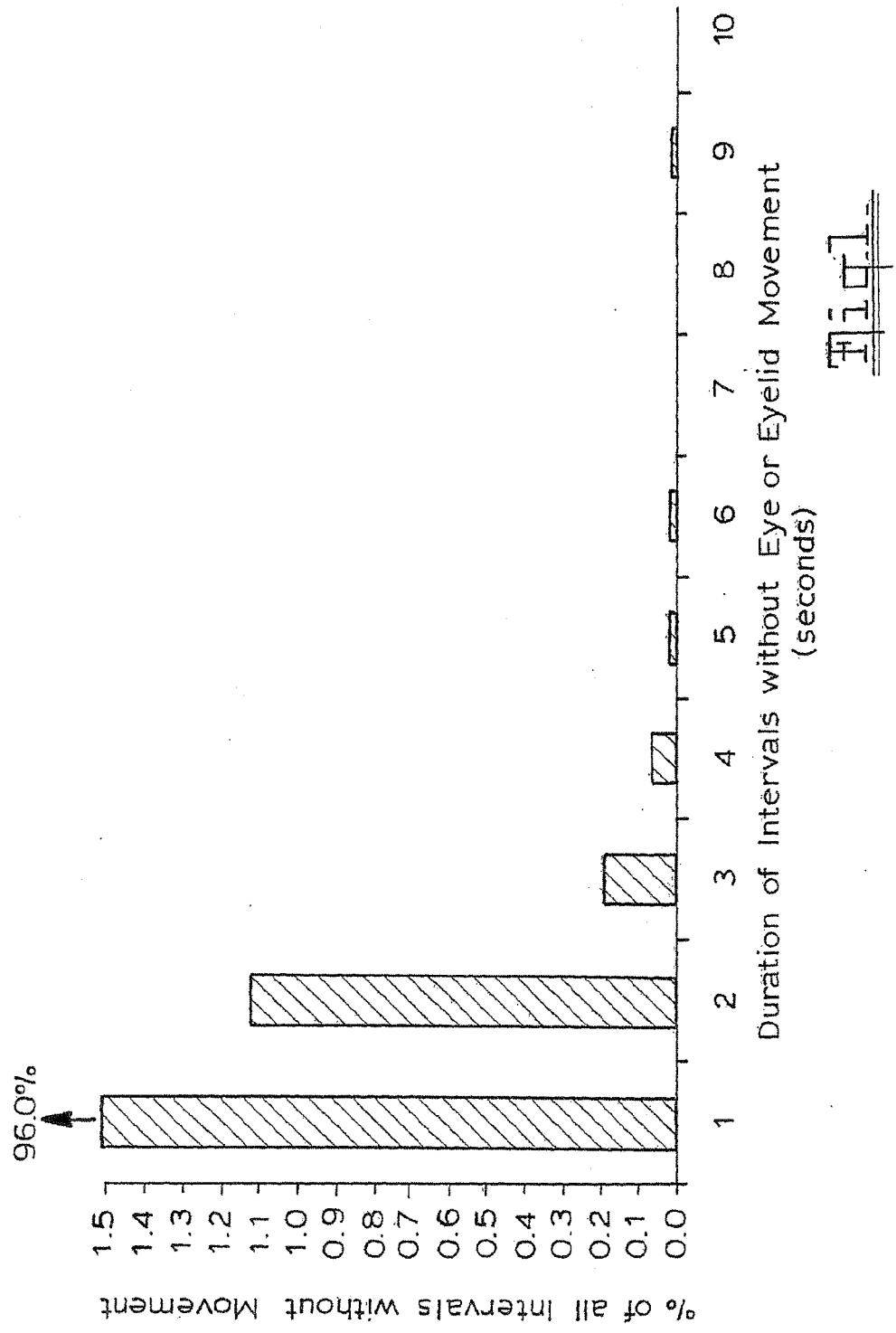

% of all Intervals without Movement
1.5
1.4
1.3
1.2
1.1
1.0
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0.0
96.0%
1
2
3
4
5
6
7
8
9
10
Duration of Intervals without Eye or Eyelid Movement
(seconds)

Fig 1

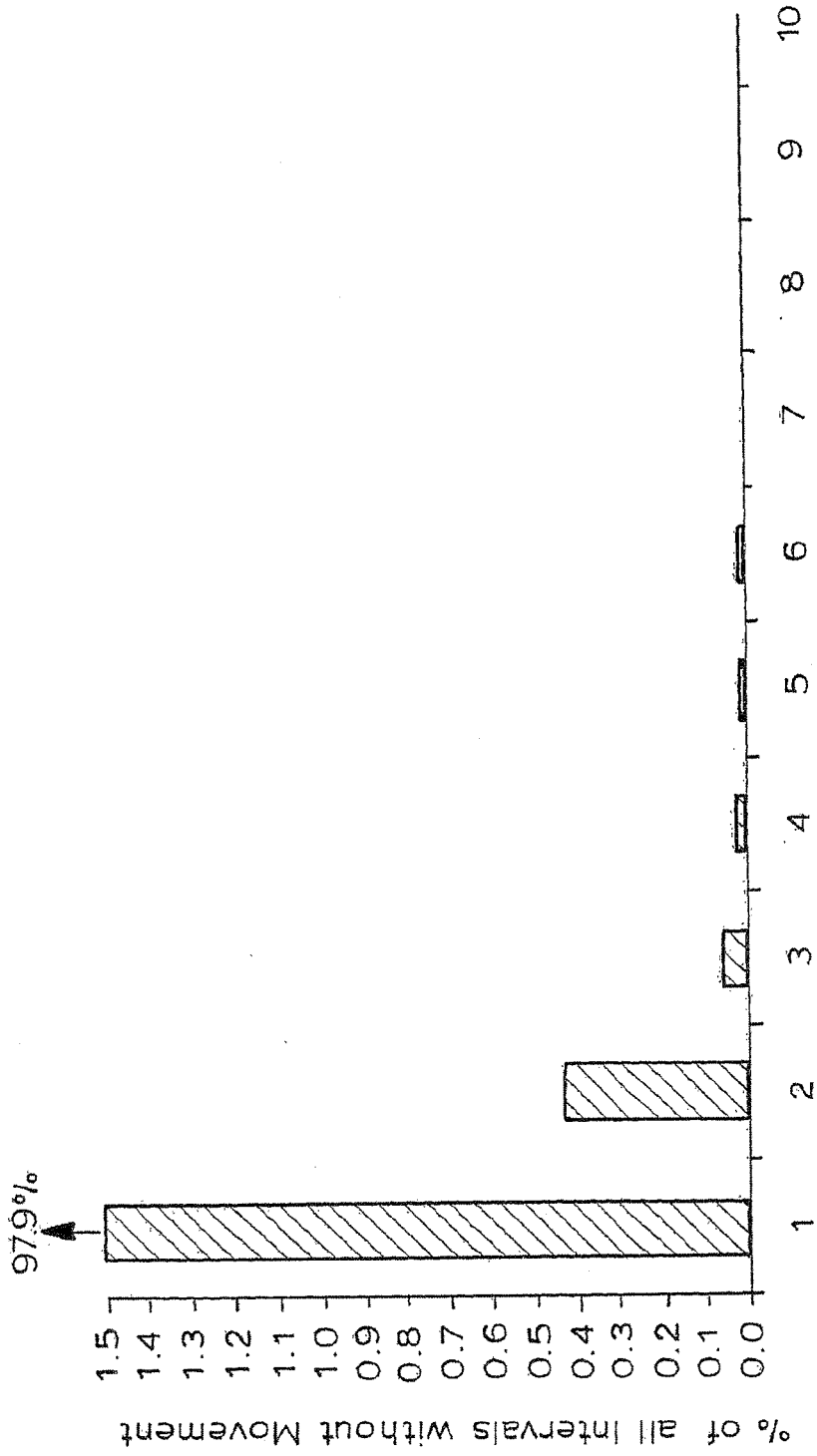

97.9%
% of all Intervals without Movement
1.5
1.4
1.3
1.2
1.1
1.0
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0.0
1
2
3
4
5
6
7
8
9
10
Duration of Intervals without Eye or Eyelid Movement
(seconds)

Fig. 2.

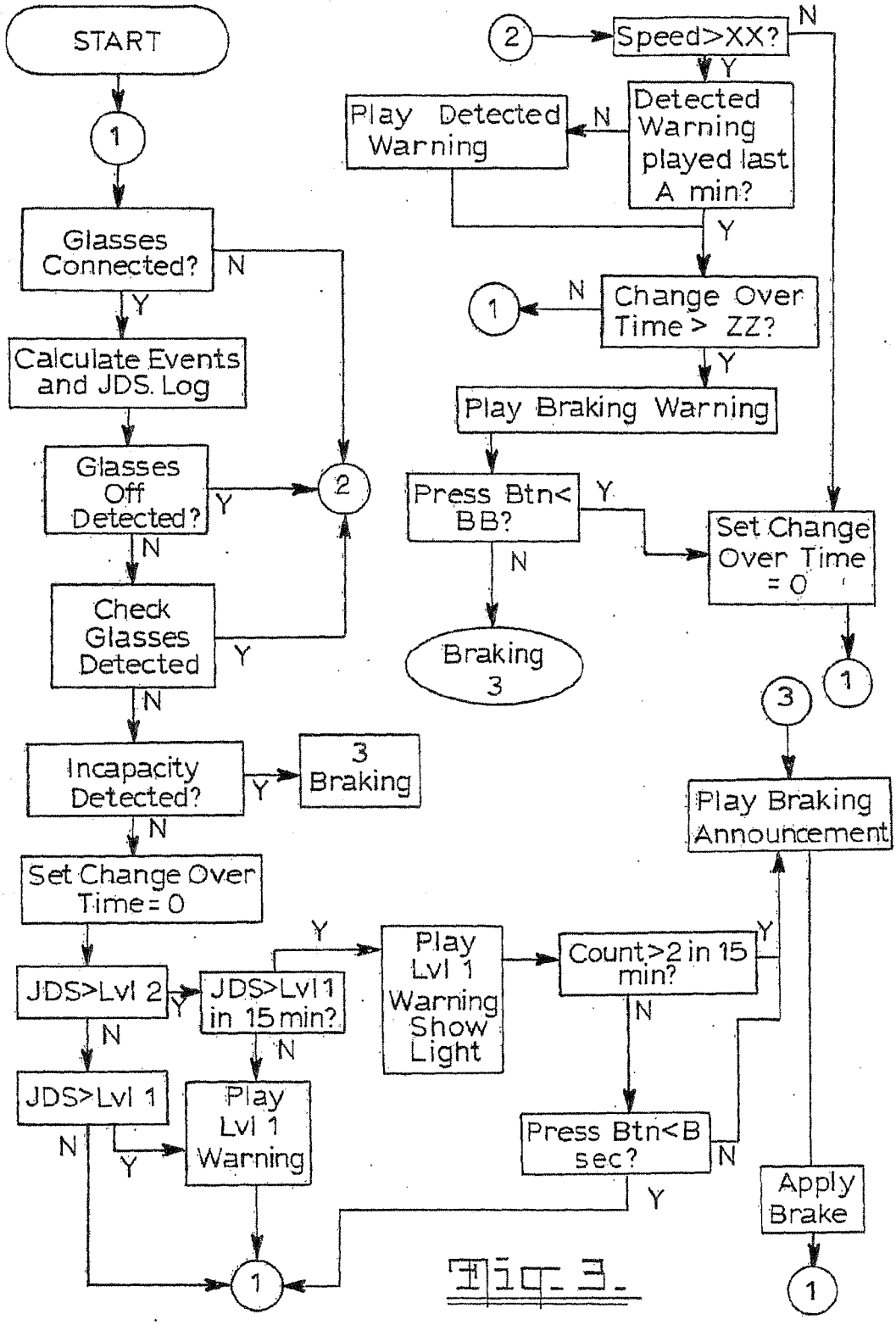

START
1
Glasses Connected?
N
Y
Calculate Events and JDS. Log
Glasses Off Detected?
Y
2
N
Check Glasses Detected
Y
N
Incapacity Detected?
Y
3 Braking
N
Set Change Over Time = 0
JDS>Lvl 2
Y
JDS>Lvl 1 in 15 min?
Y
N
N
JDS>Lvl 1
N
Y
Play Lvl 1 Warning
1
2
Speed>XX?
N
Y
Detected Warning played last A min?
N
Play Detected Warning
Y
1
N
Change Over Time > ZZ?
Y
Play Braking Warning
Press Btn< BB?
Y
N
Braking 3
Set Change Over Time = 0
1
3
Play Braking Announcement
Y
Play Lvl 1 Warning Show Light
Count>2 in 15 min?
Y
N
Press Btn<B sec?
N
Y
Apply Brake
1

Fig 3.