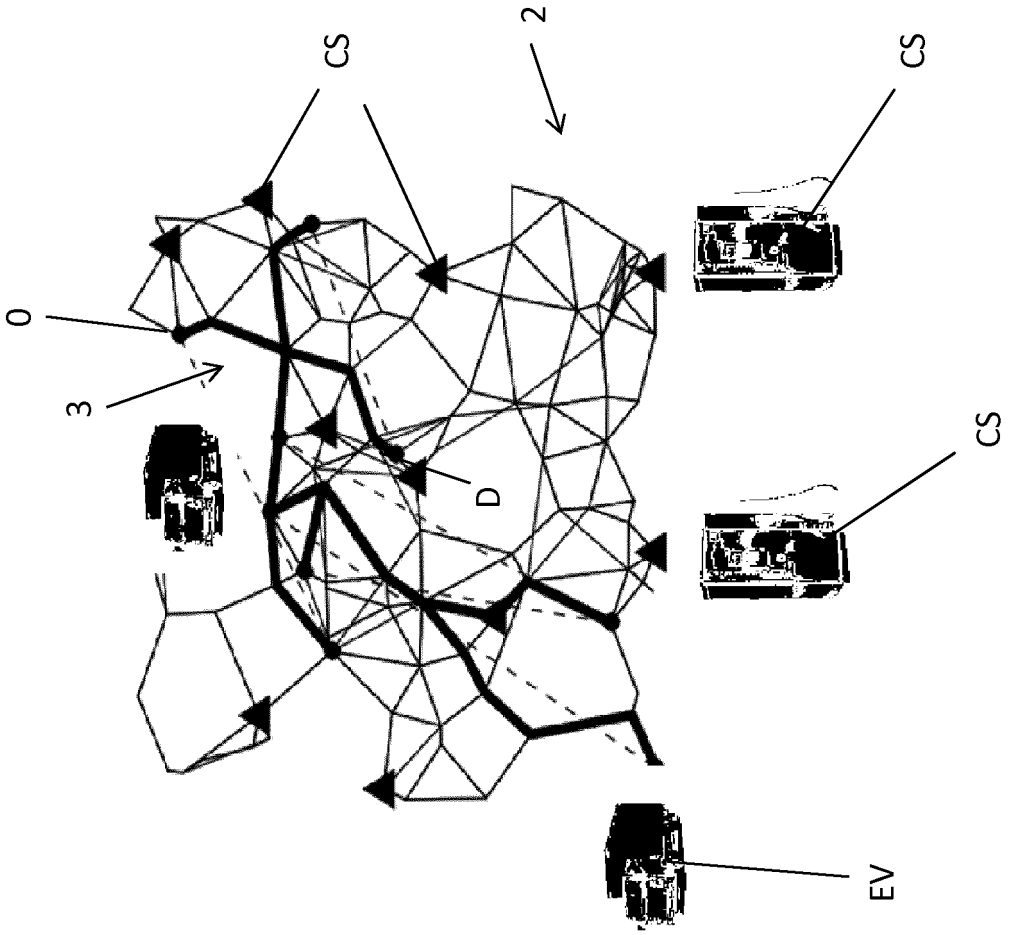


Fig. 1

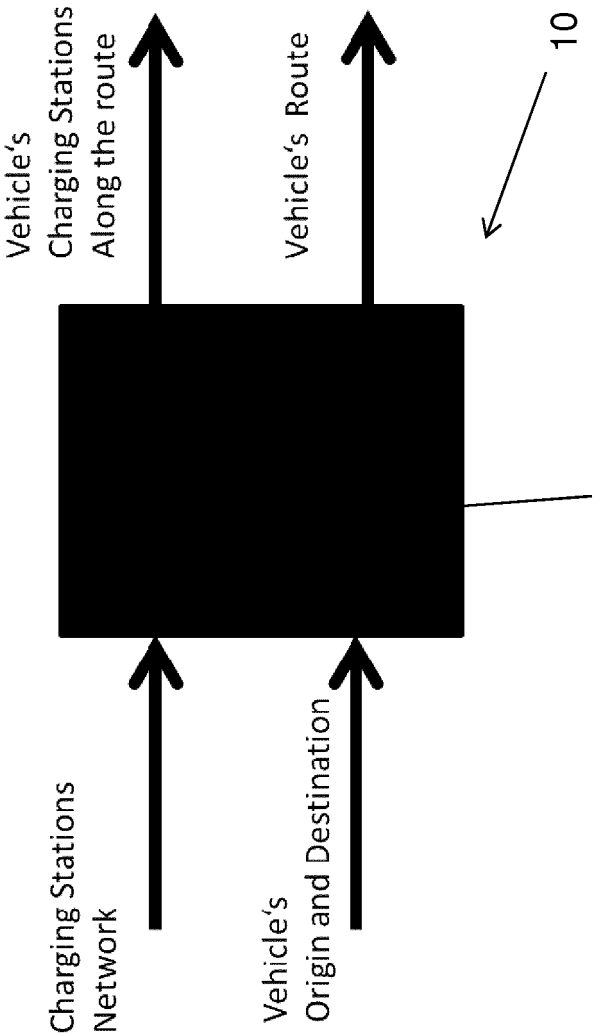

Vehicle's Charging Stations Along the route
Vehicle's Route
10
11, 12, 13, 14, 15, 16, 17, 18
Charging Stations Network
Vehicle's Origin and Destination

Fig. 2

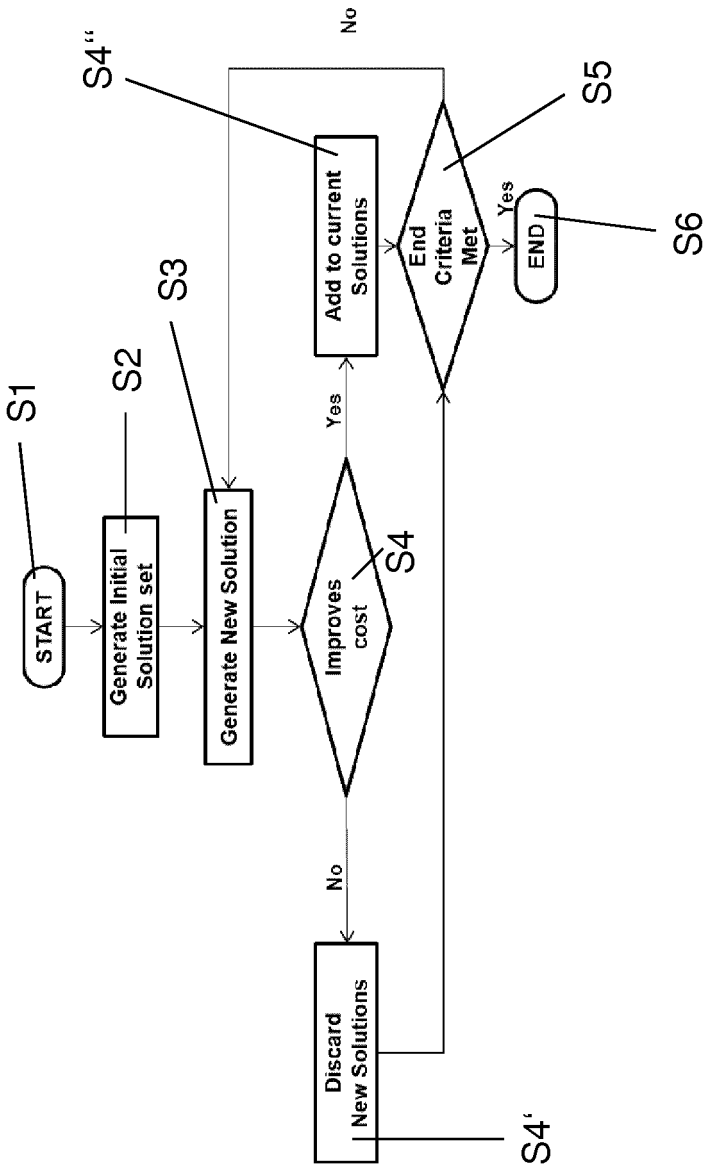

START
Generate Initial Solution set
Generate New Solution
Improves cost
Yes
No
Add to current Solutions
End Criteria Met
Yes
END
No
Discard New Solutions
S1
S2
S3
S4
S4"
S4'
S5
S6

Fig. 3

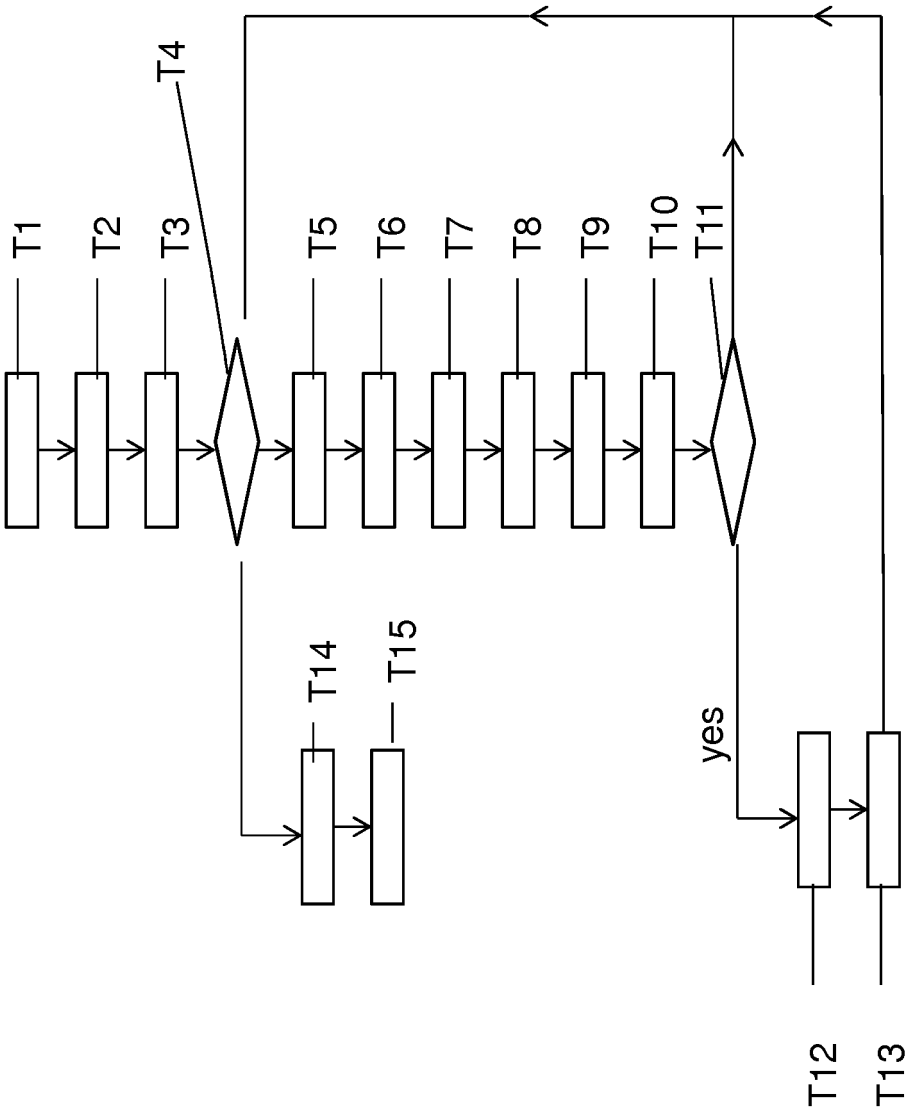


Fig. 4

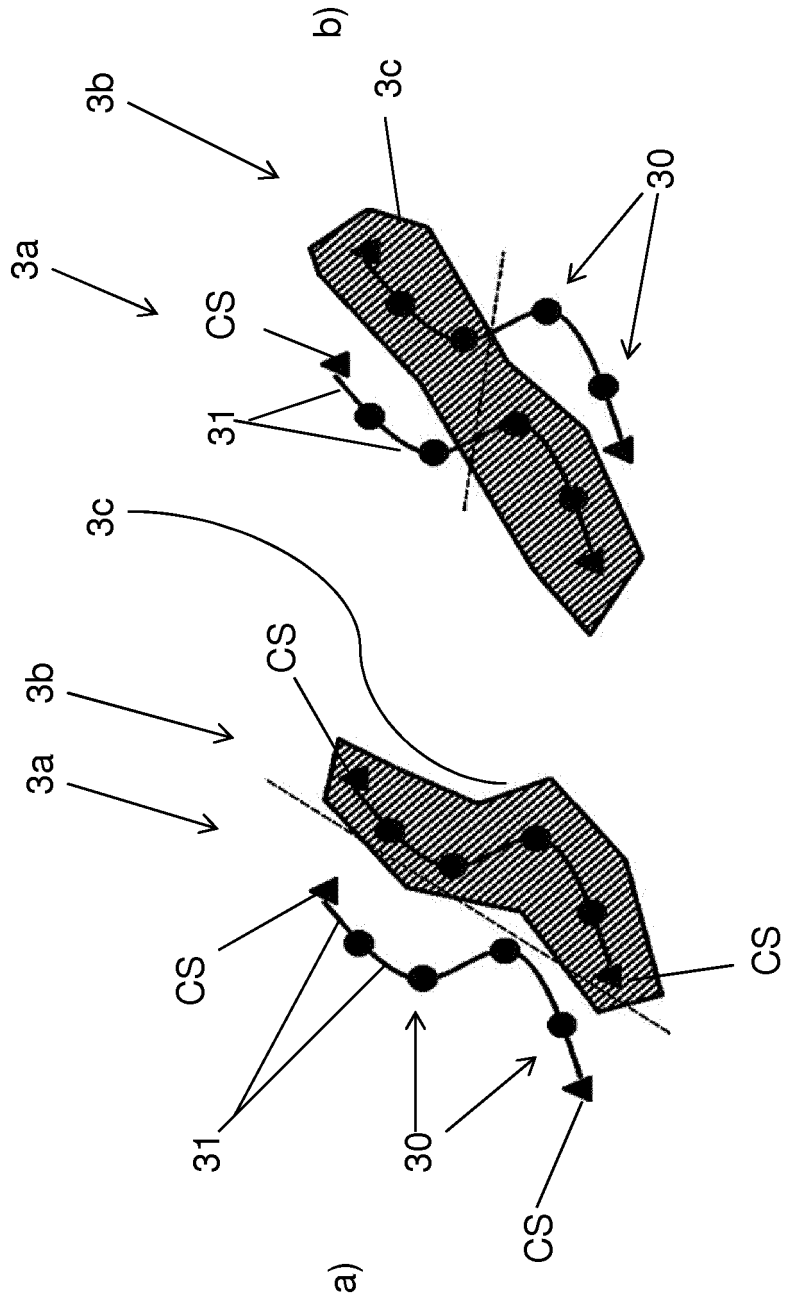


Fig. 5

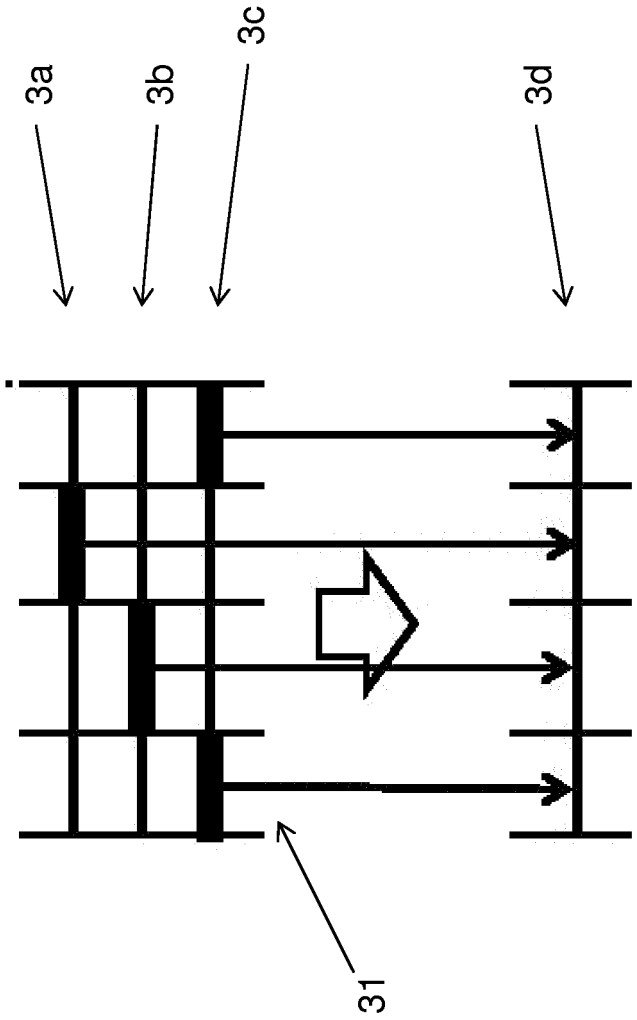


Fig. 6

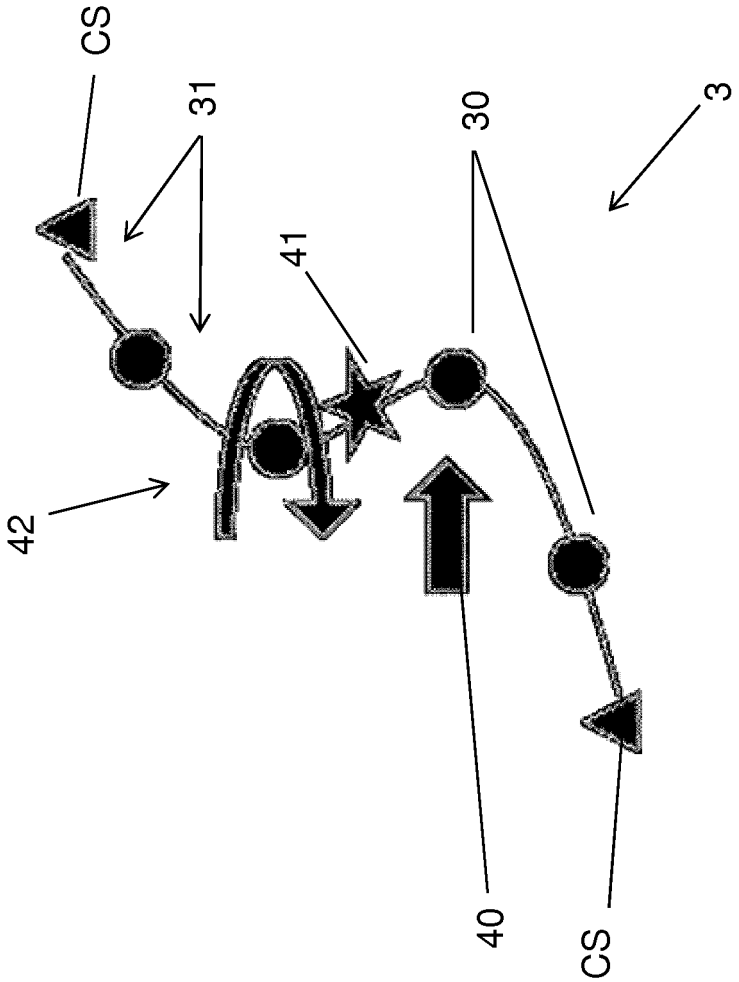


Fig. 7

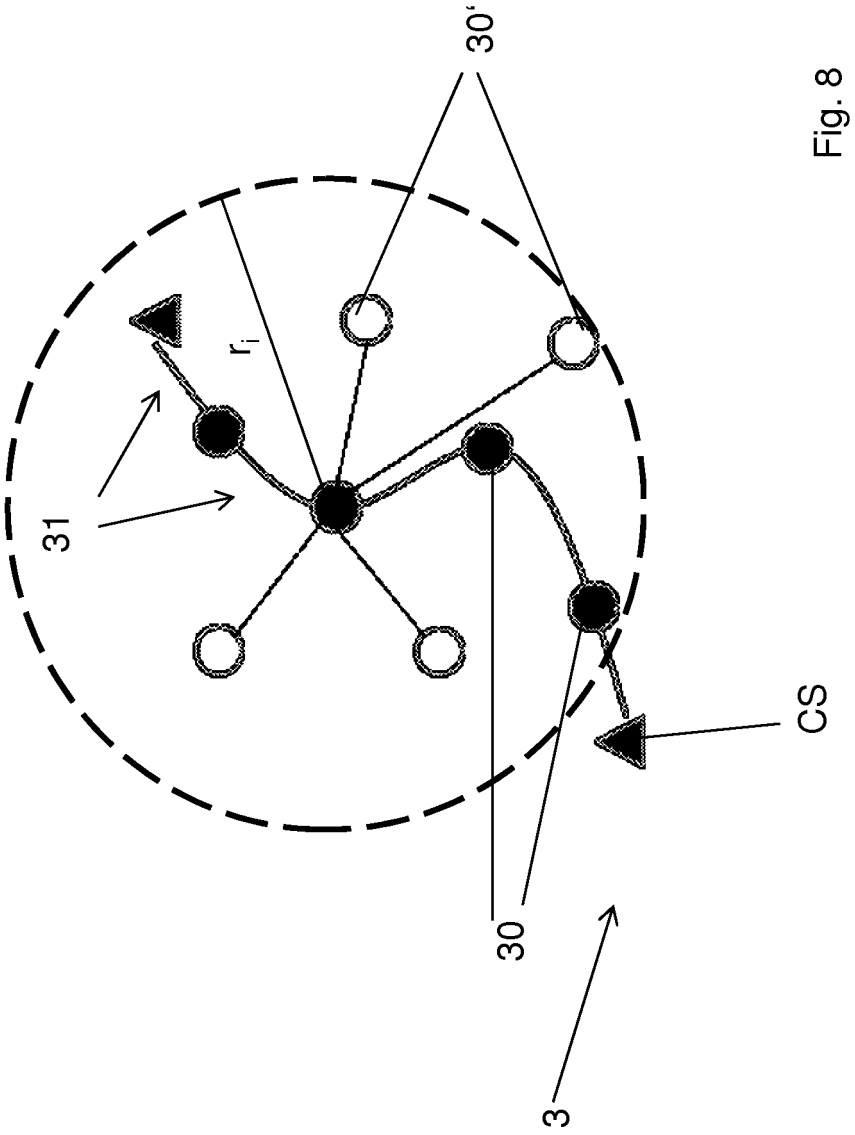


Fig. 8

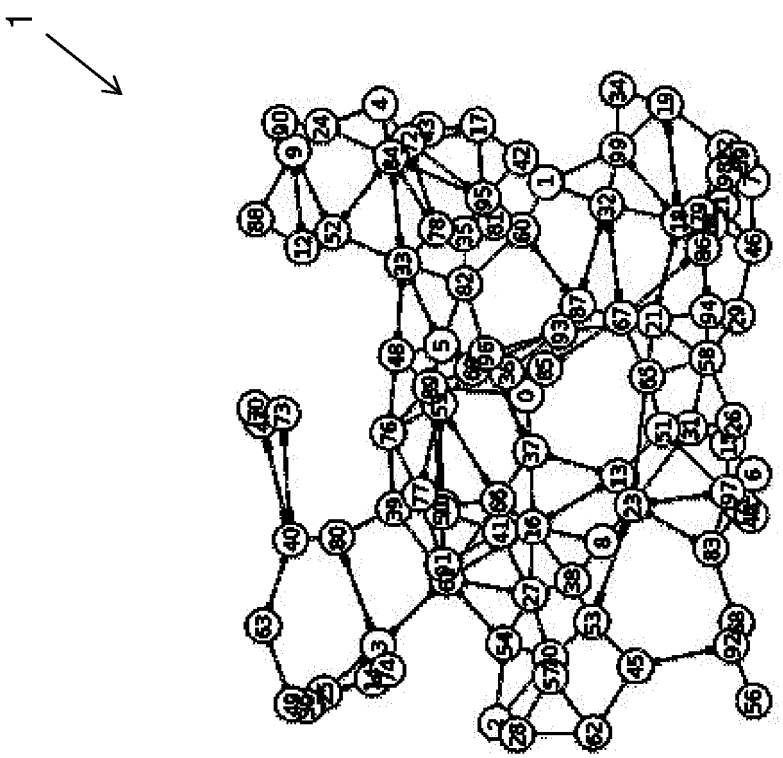


Fig. 9

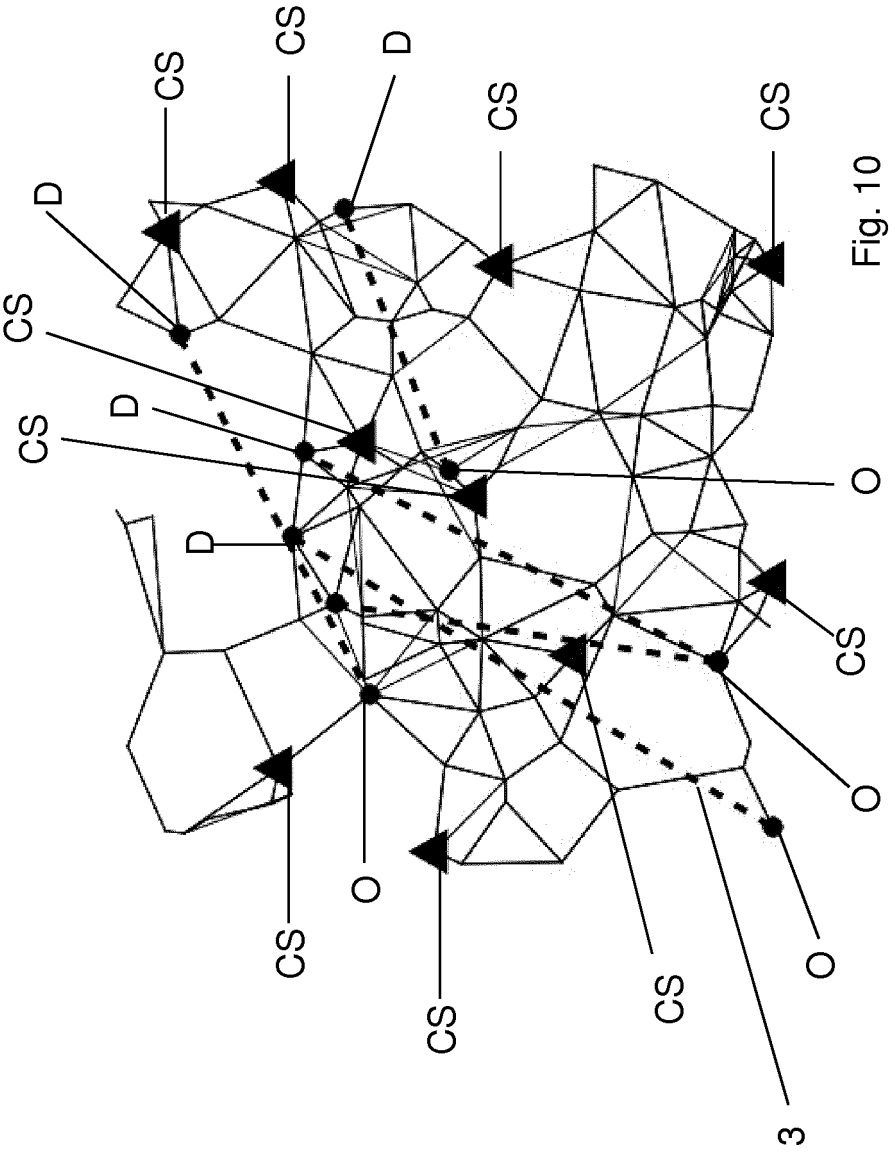


Fig. 10

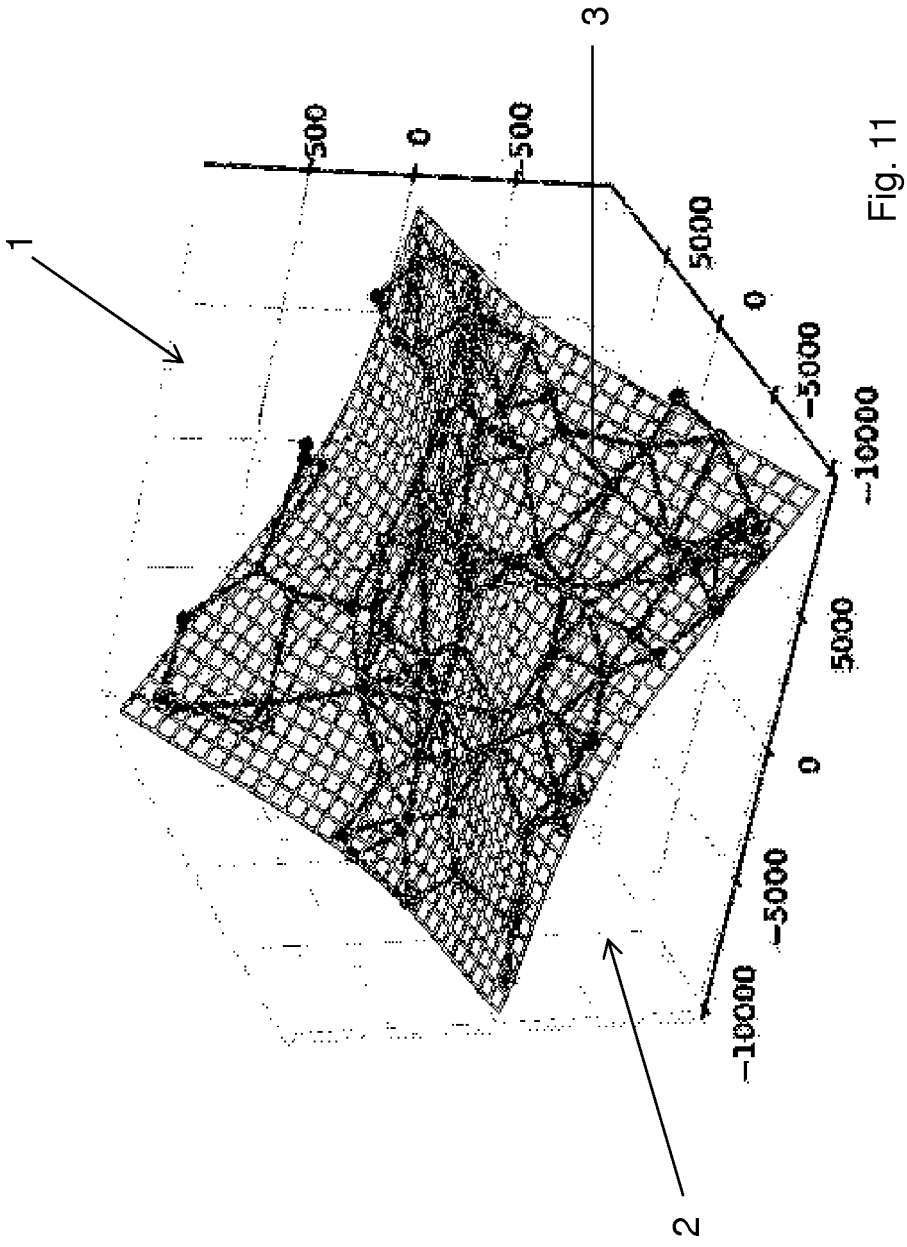


Fig. 11

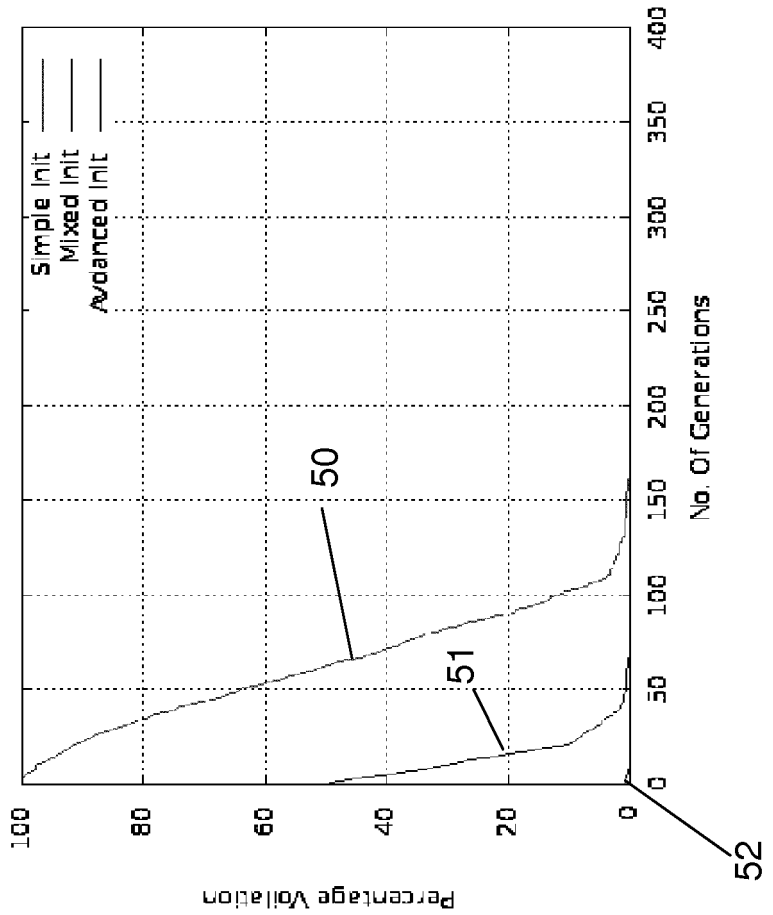

Simple Init
Mixed Init
Avoanced Init
Percentage Voilation
No. Of Generations
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40
60
80
100
0
50
100
150
200
250
300
350
400
50
51
52

Fig. 12

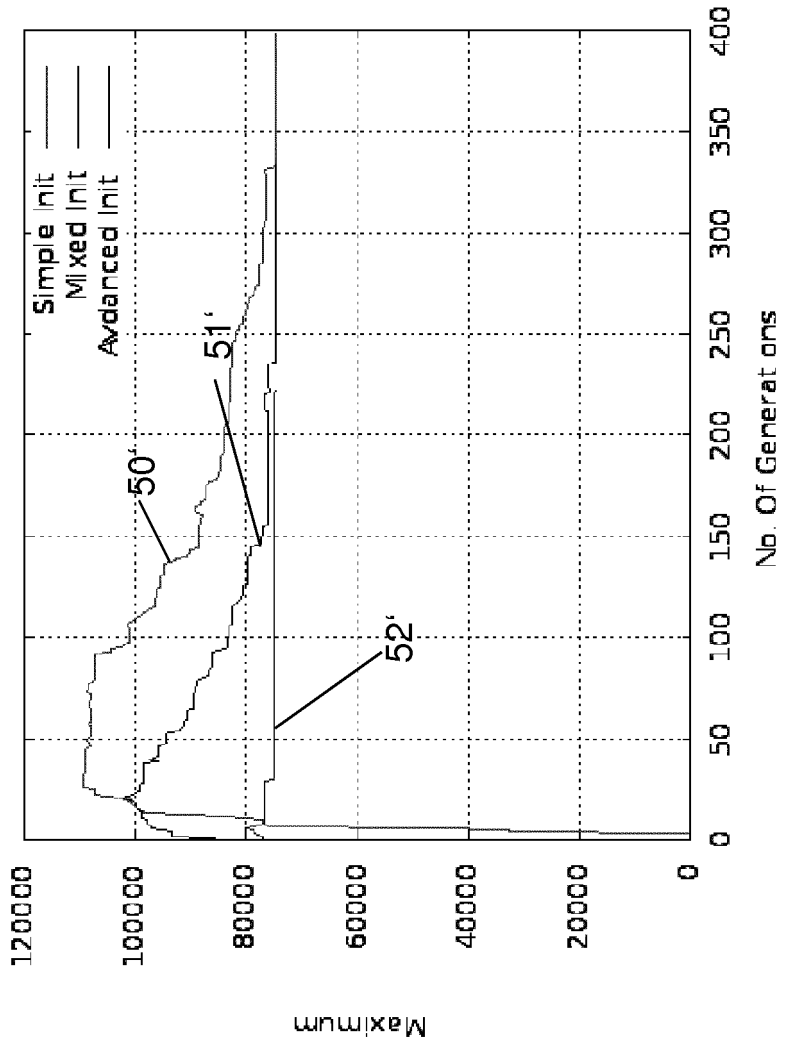

Maximum
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60000
40000
20000
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0
50
100
150
200
250
300
350
400
No. Of Generations
Simple Init
Mixed Init
Advanced Init
50'
51'
52'

Fig. 13

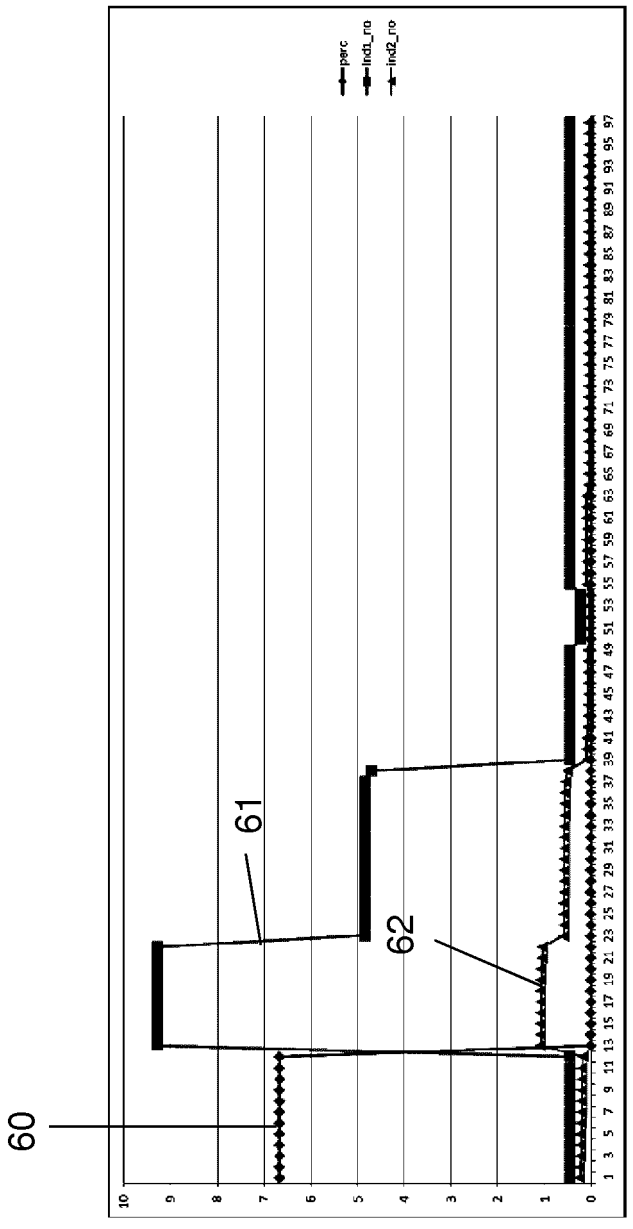


Fig. 14

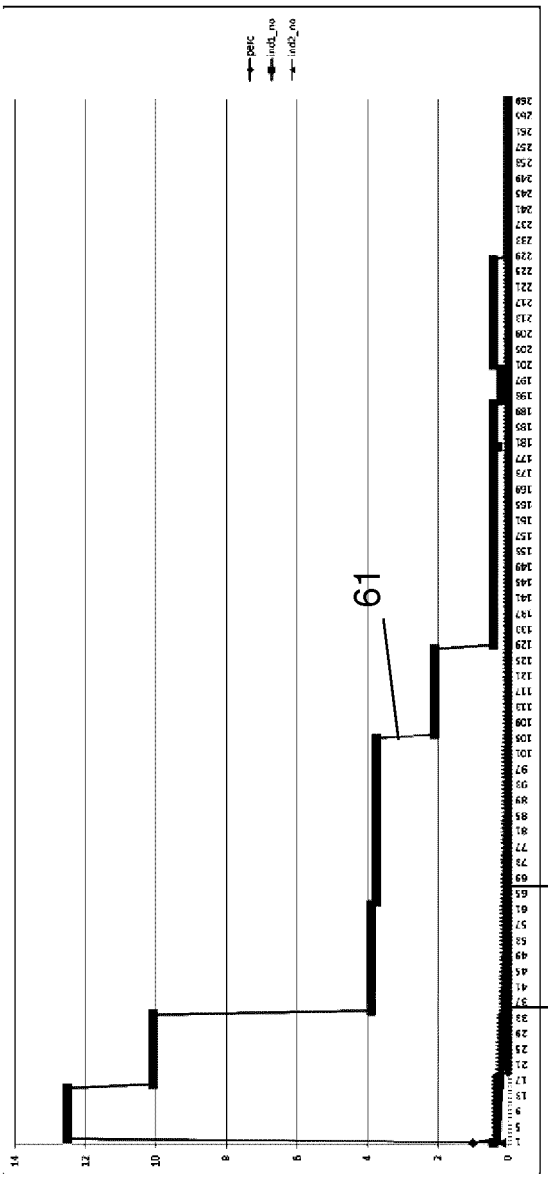


Fig. 15