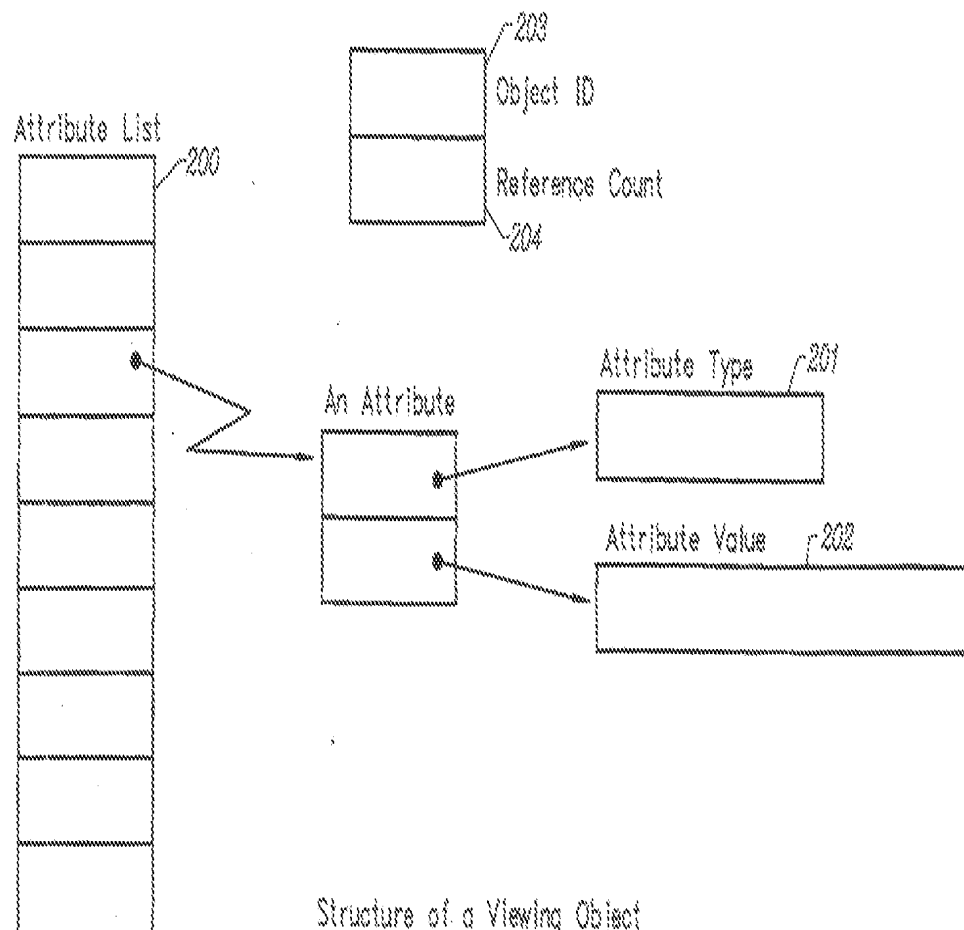
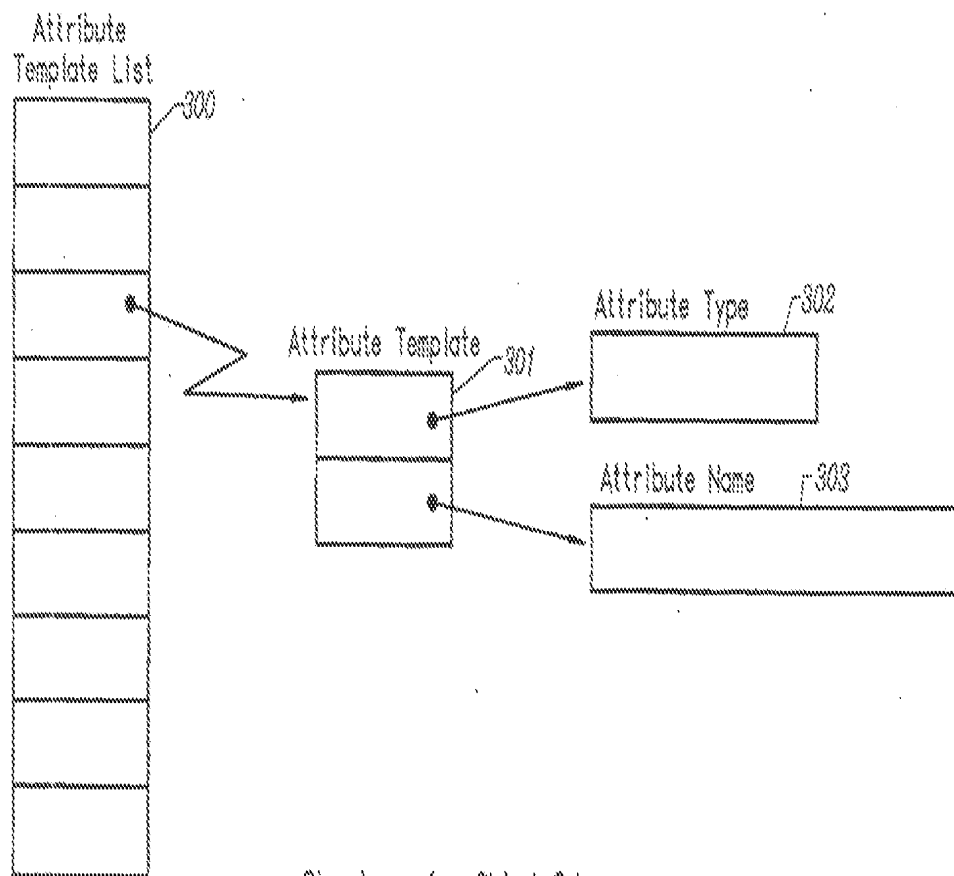


FIG. 1



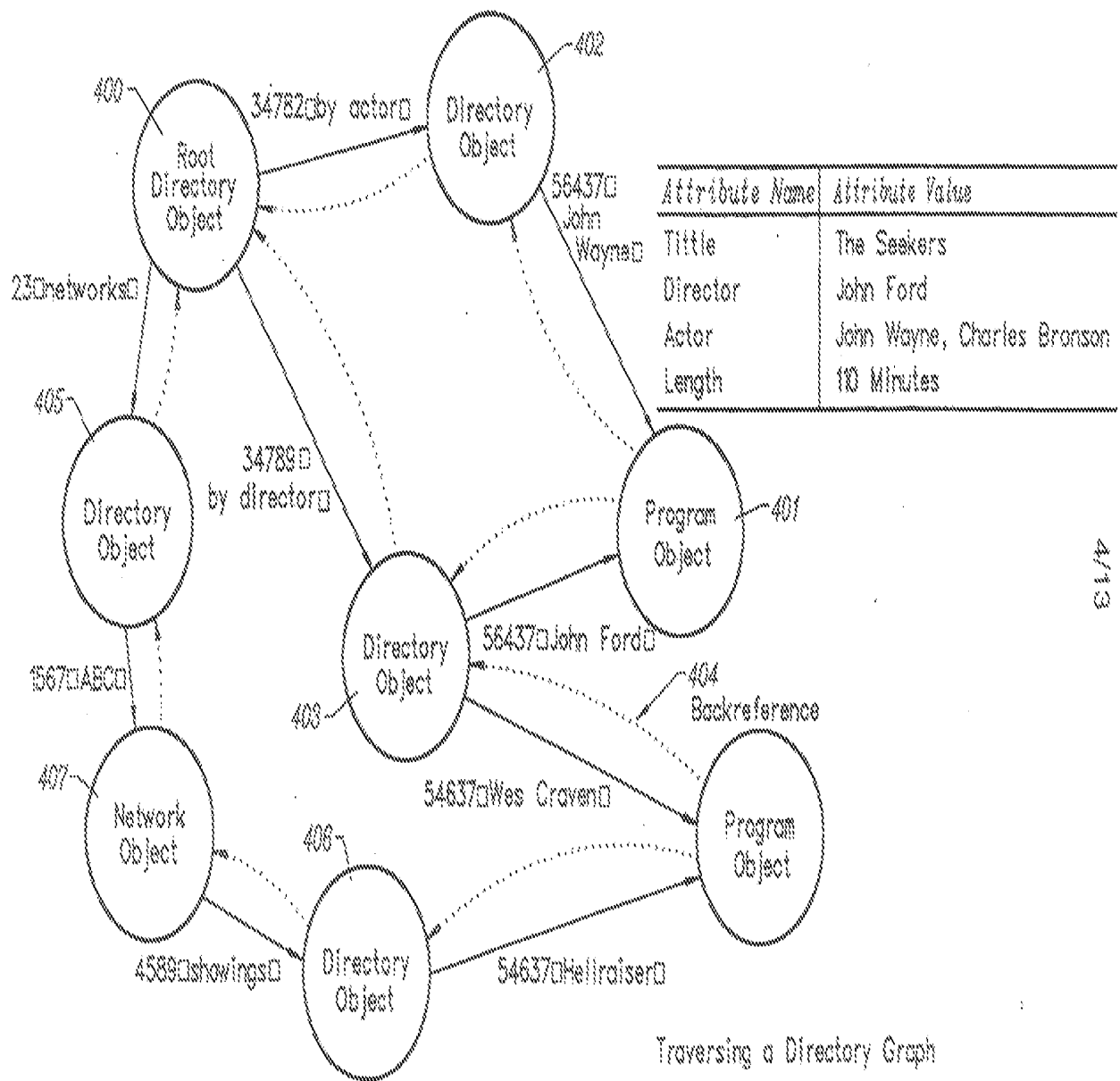
Structure of a Viewing Object

FIG. 2



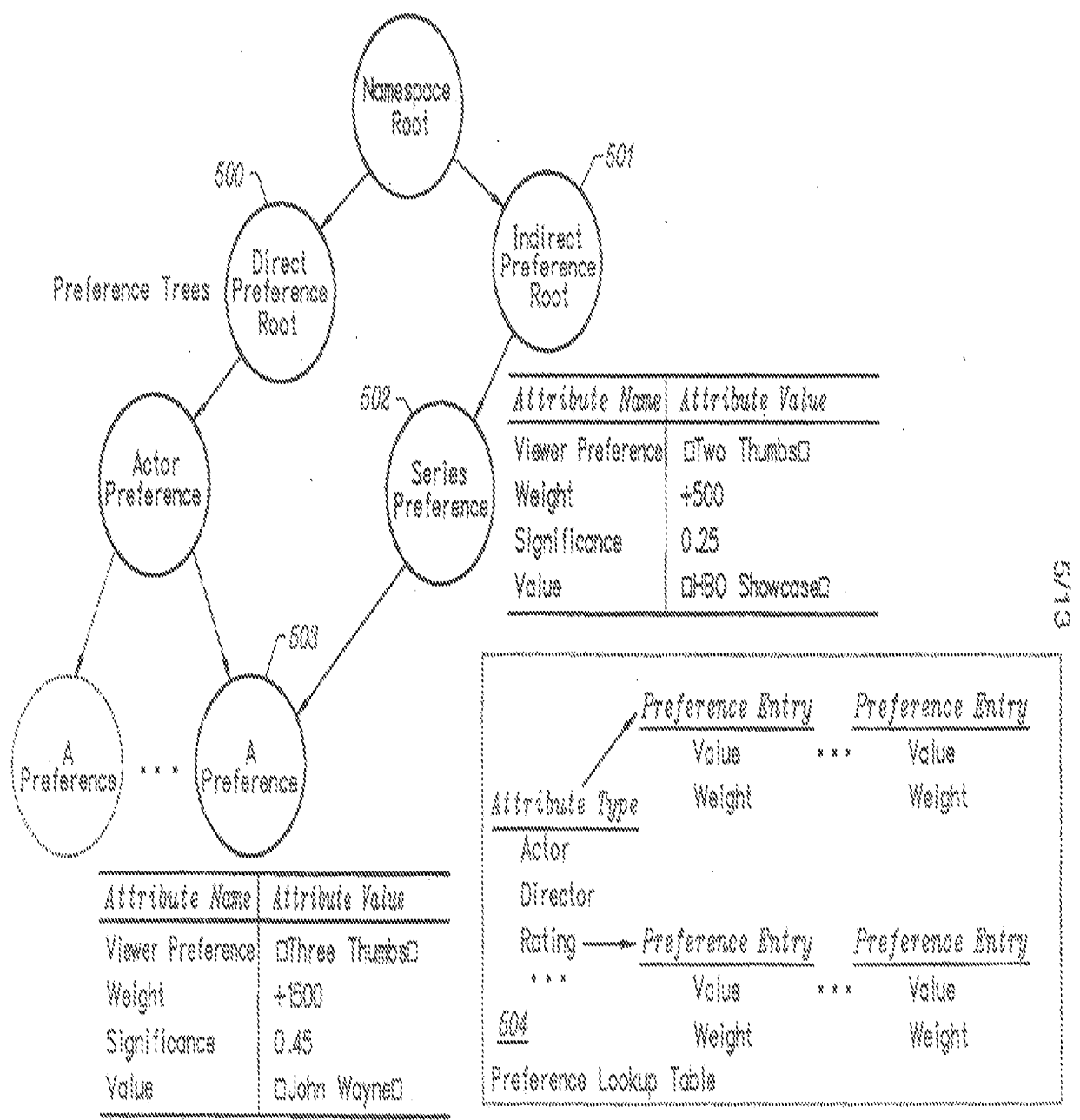
Structure of a Object Schema

FIG. 3



Traversing a Directory Graph

FIG. 4



Processing Preference Information FIG. 5

Can schedule if:
 At all times between starting recording and expiration, available space is greater than space taken by program.

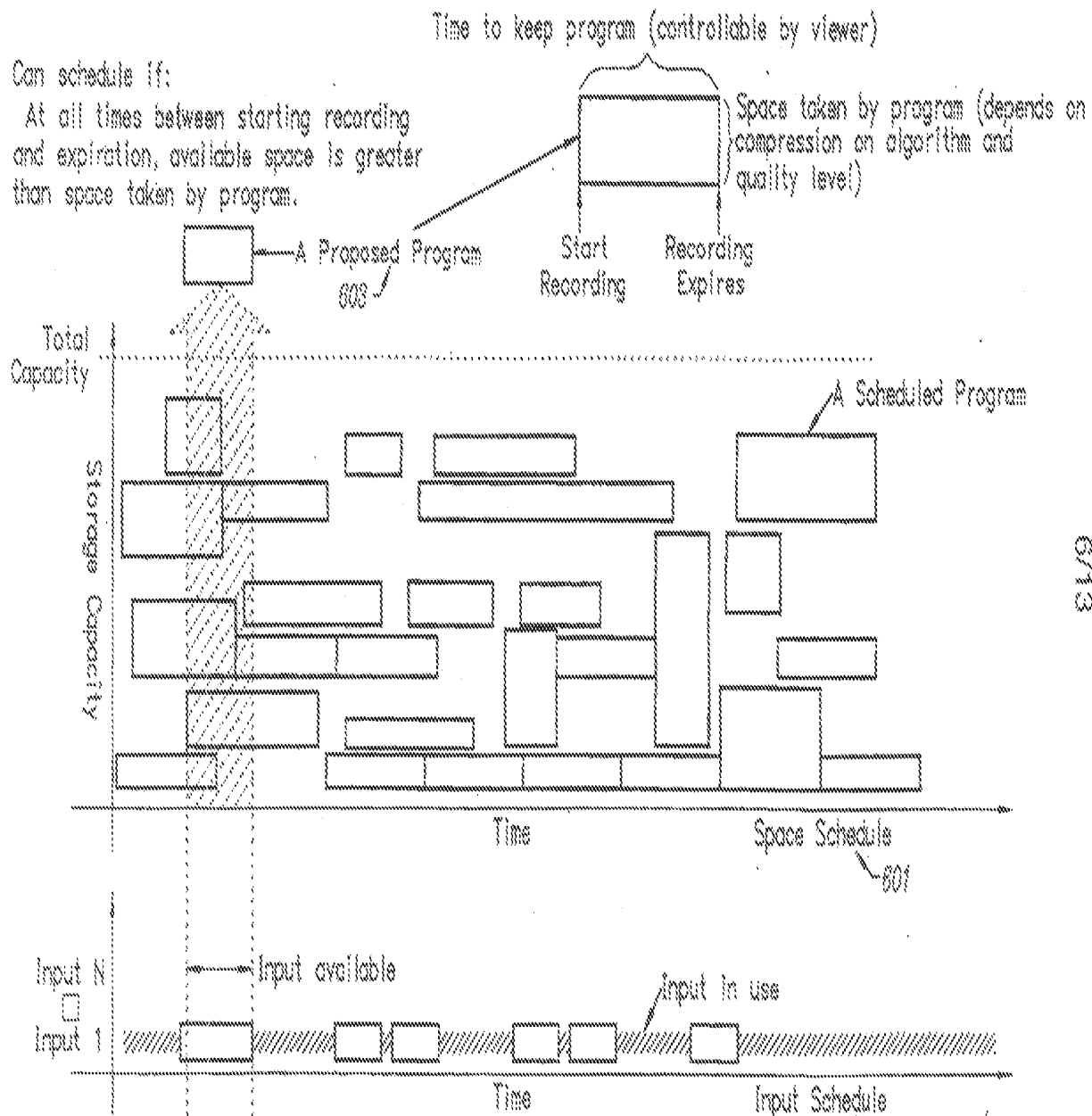
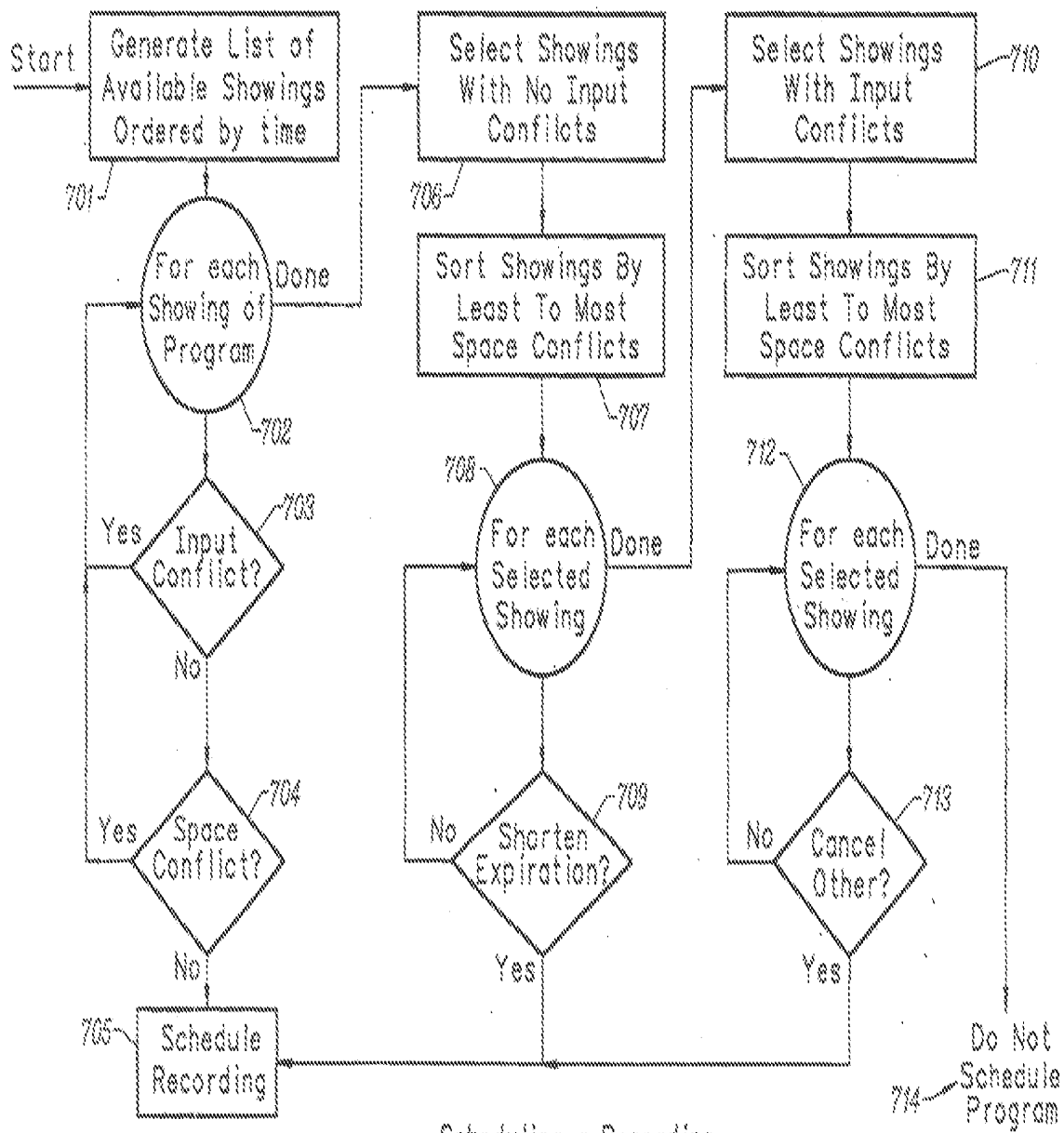


FIG. 6 Scheduling Recordings



Scheduling a Recording

FIG. 7

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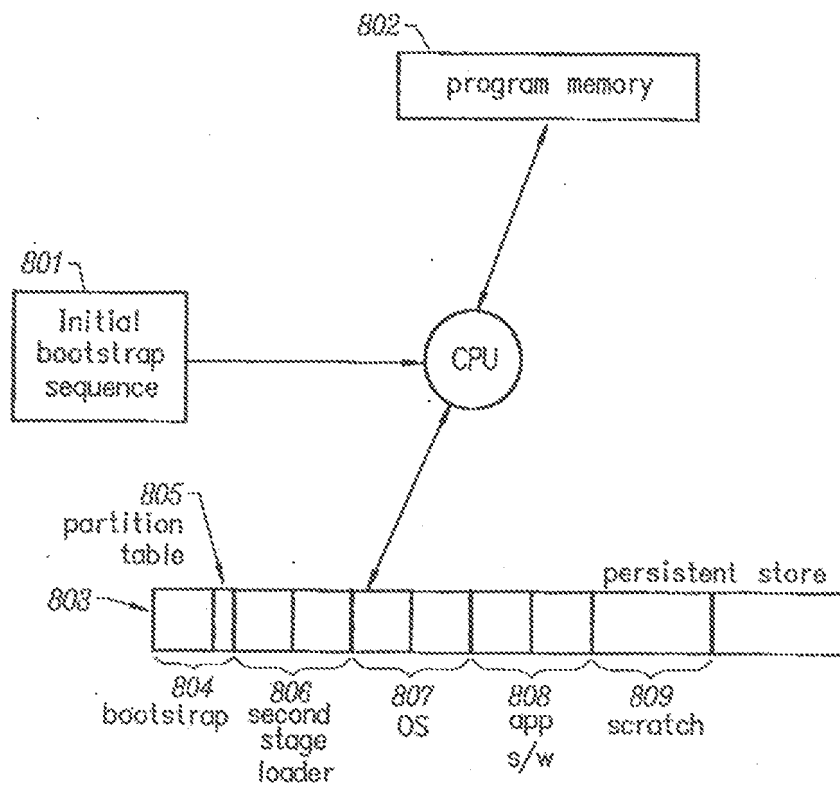


FIG. 8

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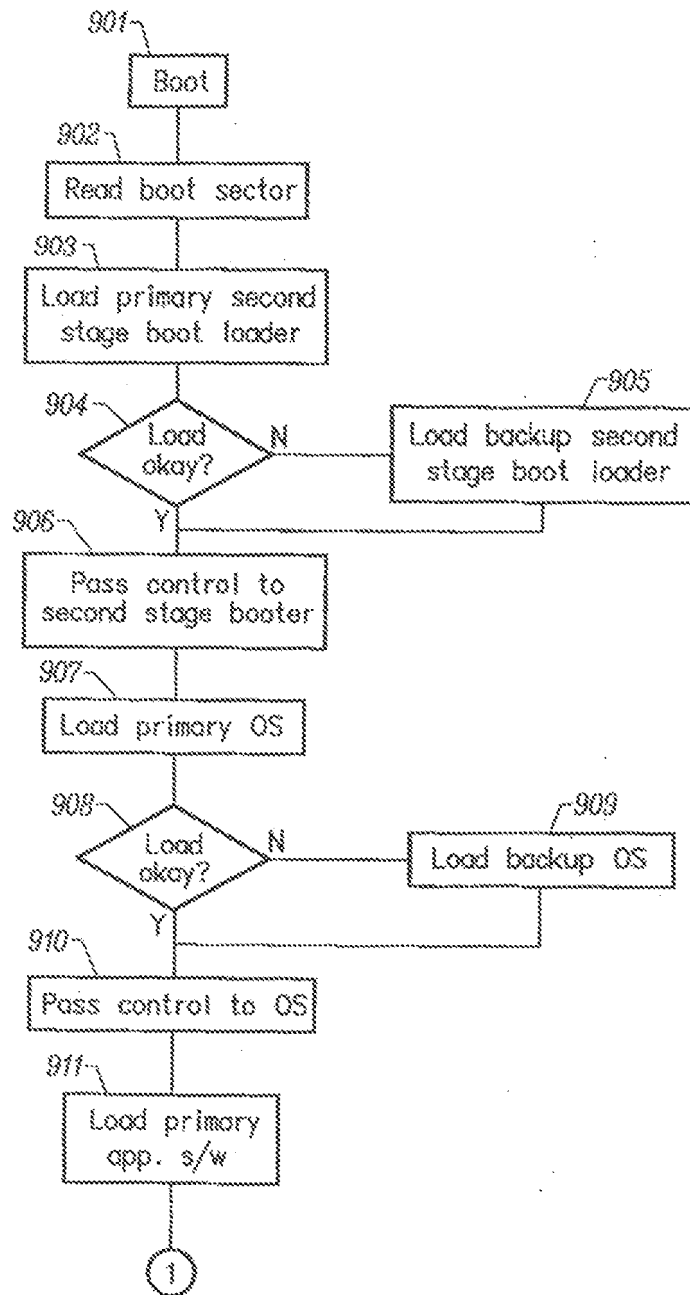


FIG. 9A

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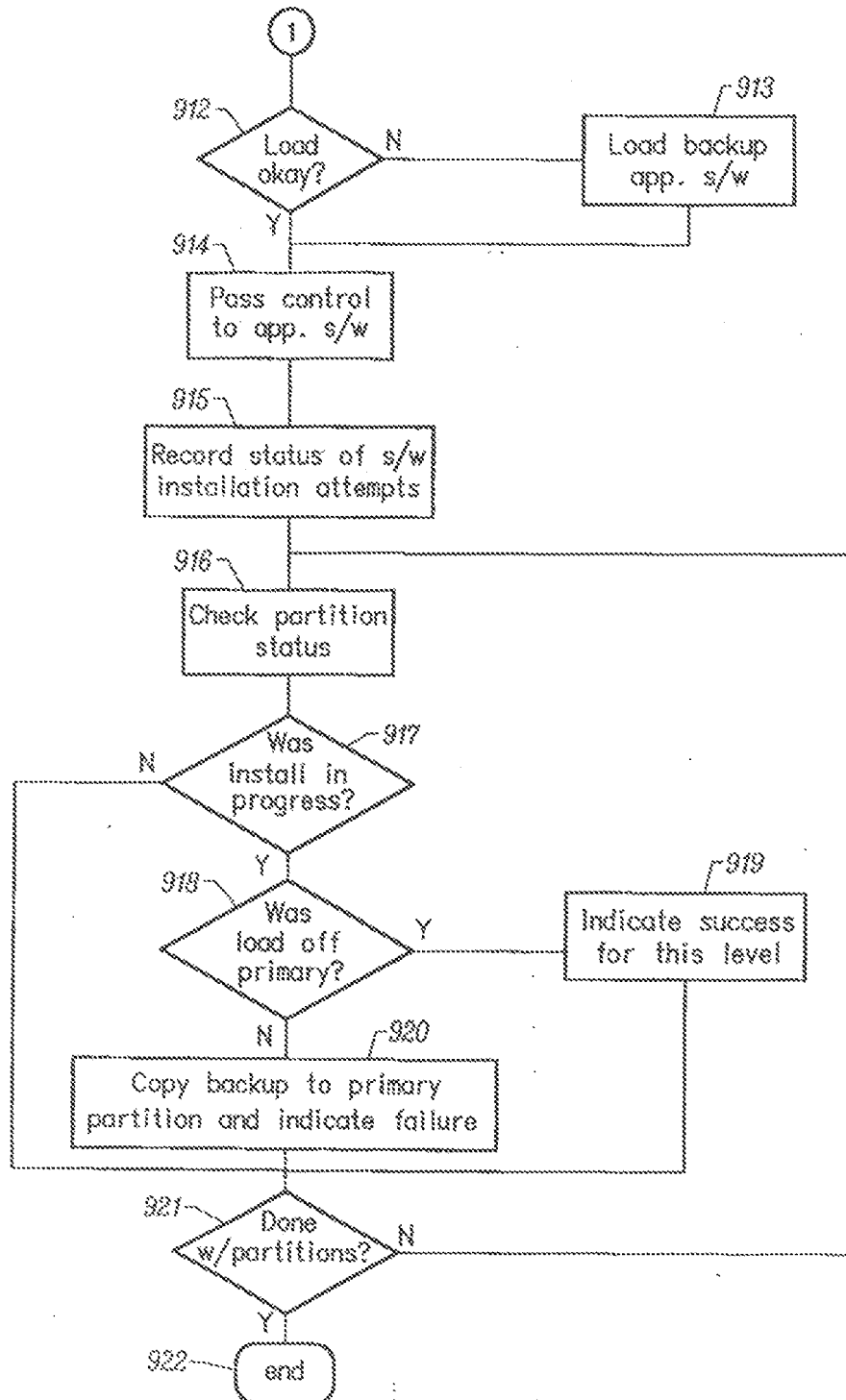


FIG. 9B

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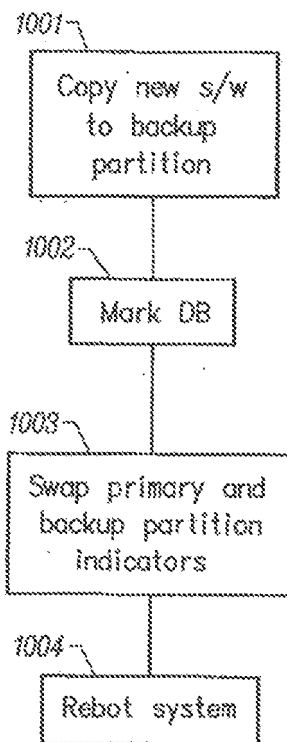


FIG. 10

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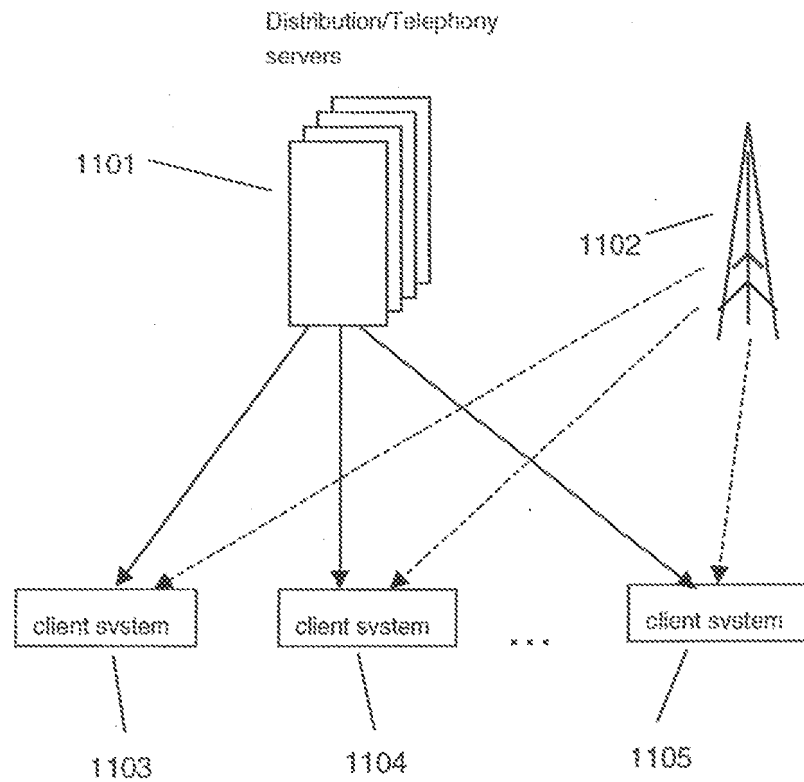


Fig. 11

Fig. 12

