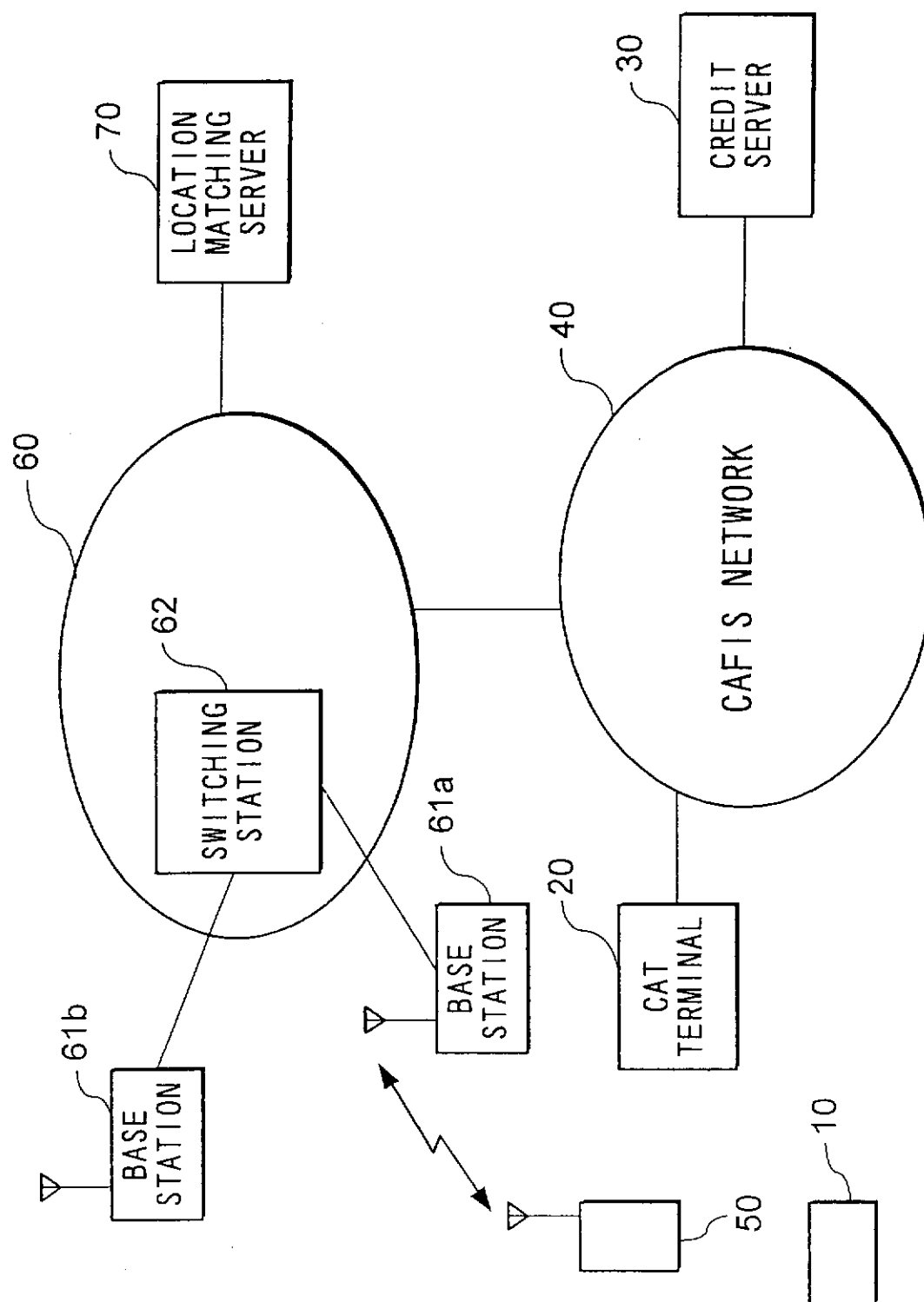


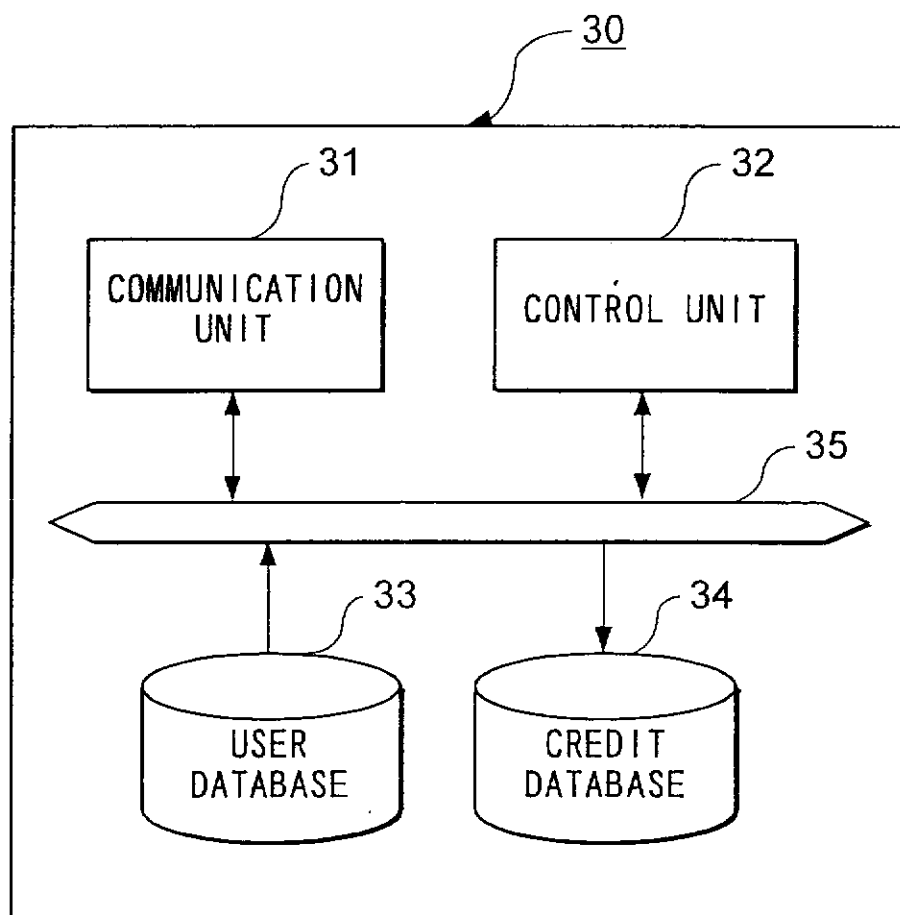
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FIG. 1



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FIG. 2



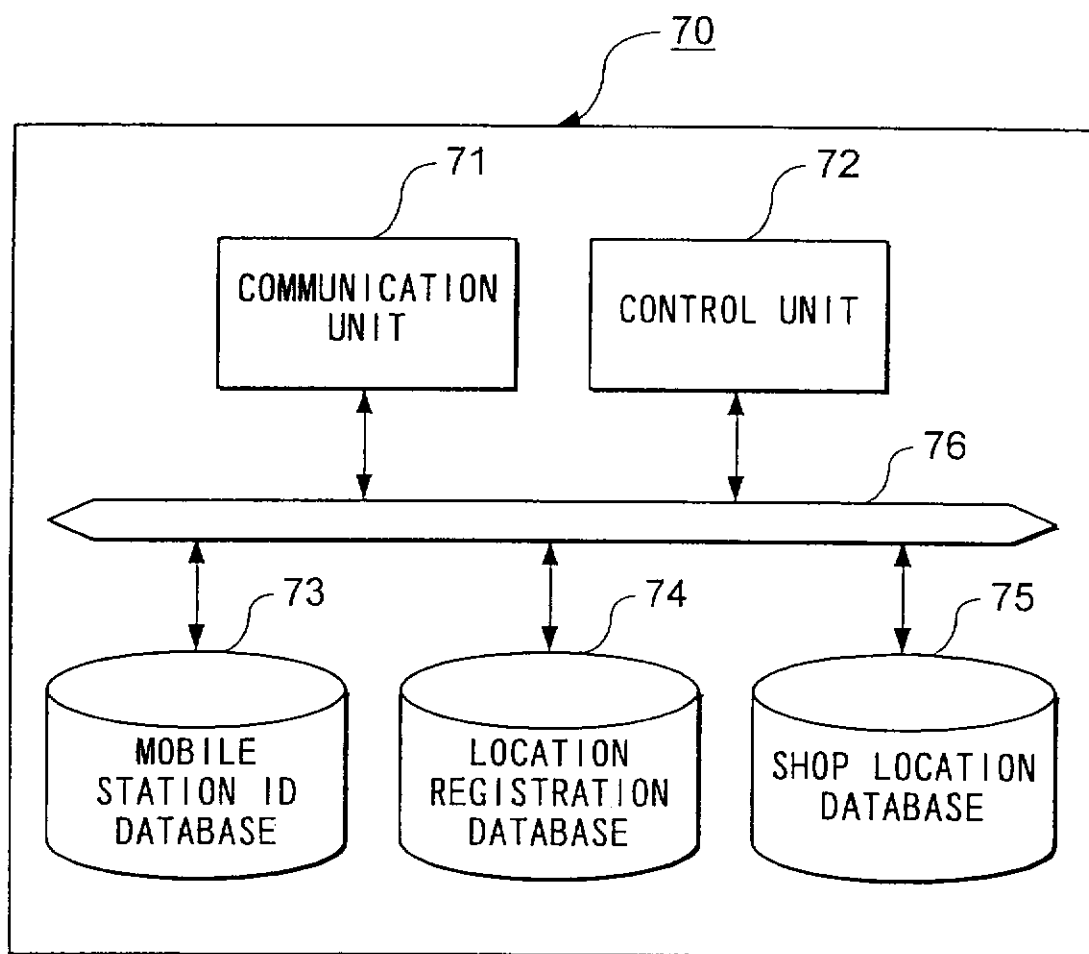
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FIG. 3

CREDIT NUMBER	AUTHENTICATION ID
1234 5678 1234 5678	CTF1122
1234 5678 1234 5679	CTF1123
1234 5678 1234 5680	CTF1124
.	
.	
.	

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FIG. 4



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FIG. 5

AUTHENTICATION ID	MOBILE STATION ID
CTF1122	MS0901111111
CTF1123	MS0901111112
CTF1124	MS0901111113
• • • • •	• • • • •
• • • • •	• • • • •
• • • • •	• • • • •

FIG. 6

MOBILE STATION ID	LOCATION REGISTRATION AREA ID
MS0901111111	AREA0001
MS0901111112	AREA1211
MS0901111113	AREA0021
• • • • •	• • • • •
• • • • •	• • • • •
• • • • •	• • • • •

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FIG. 7

SHOP ID	BASE STATION ID
SHOP0001	BS0001
SHOP0002	BS0023
SHOP0003	BS0155
• • • • •	• • • • •
• • • • •	• • • • •
• • • • •	• • • • •

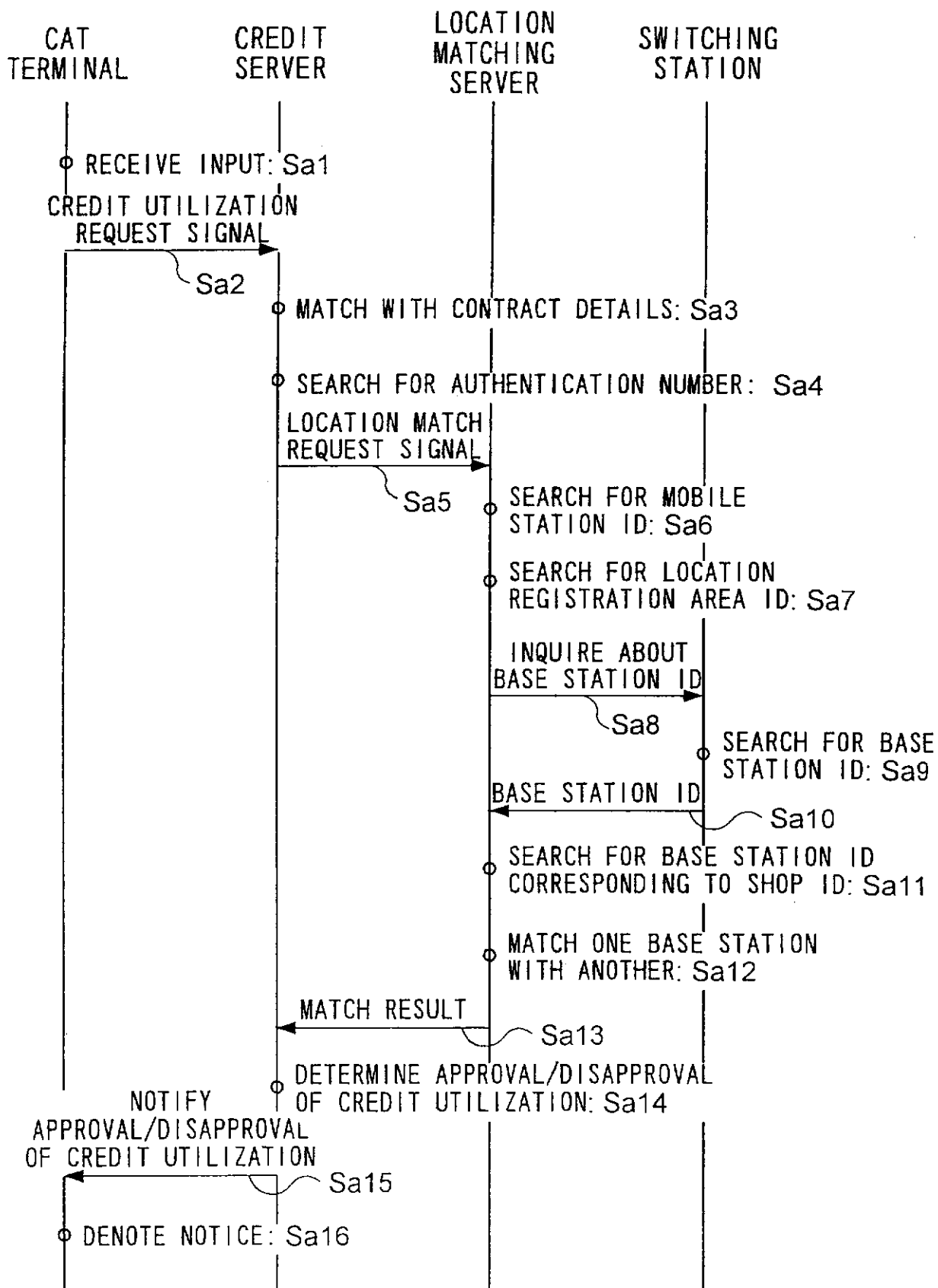
FIG. 8

BASE STATION ID	MOBILE STATION ID
BS0001	MS09011111111,MS09011111122,MS09011111130
BS0002	
BS0003	MS09011111140
• • • • •	• • • • •
• • • • •	• • • • •
• • • • •	• • • • •

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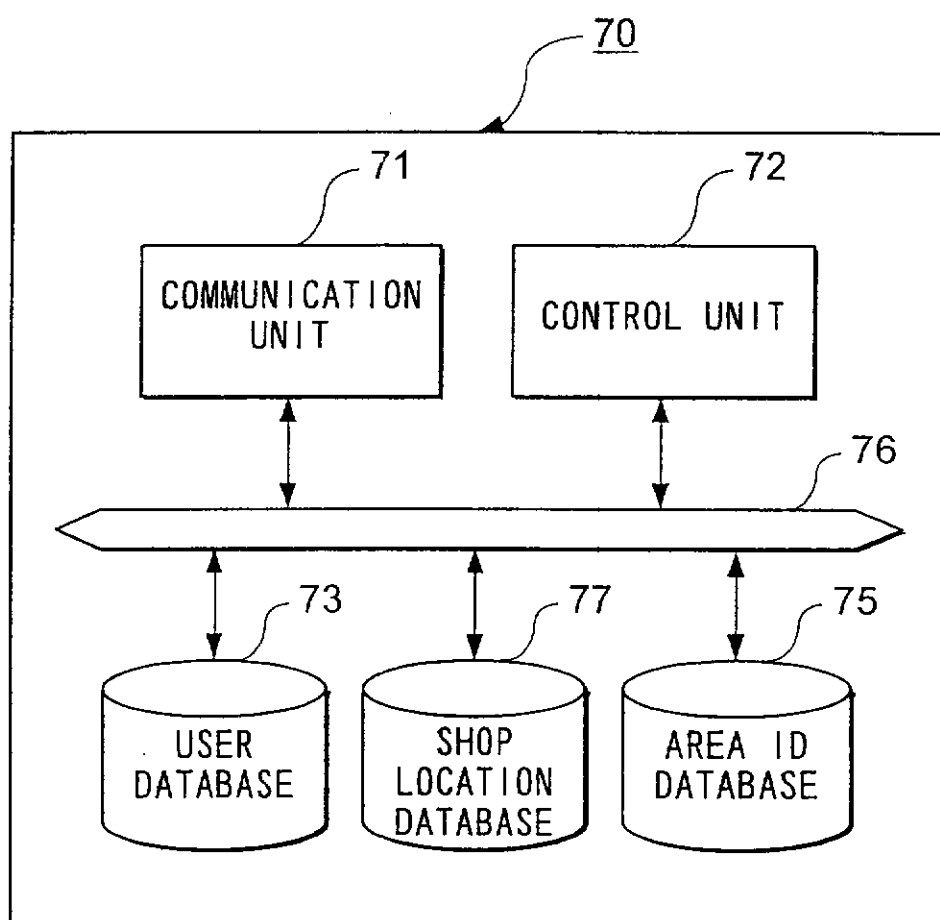
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FIG. 9



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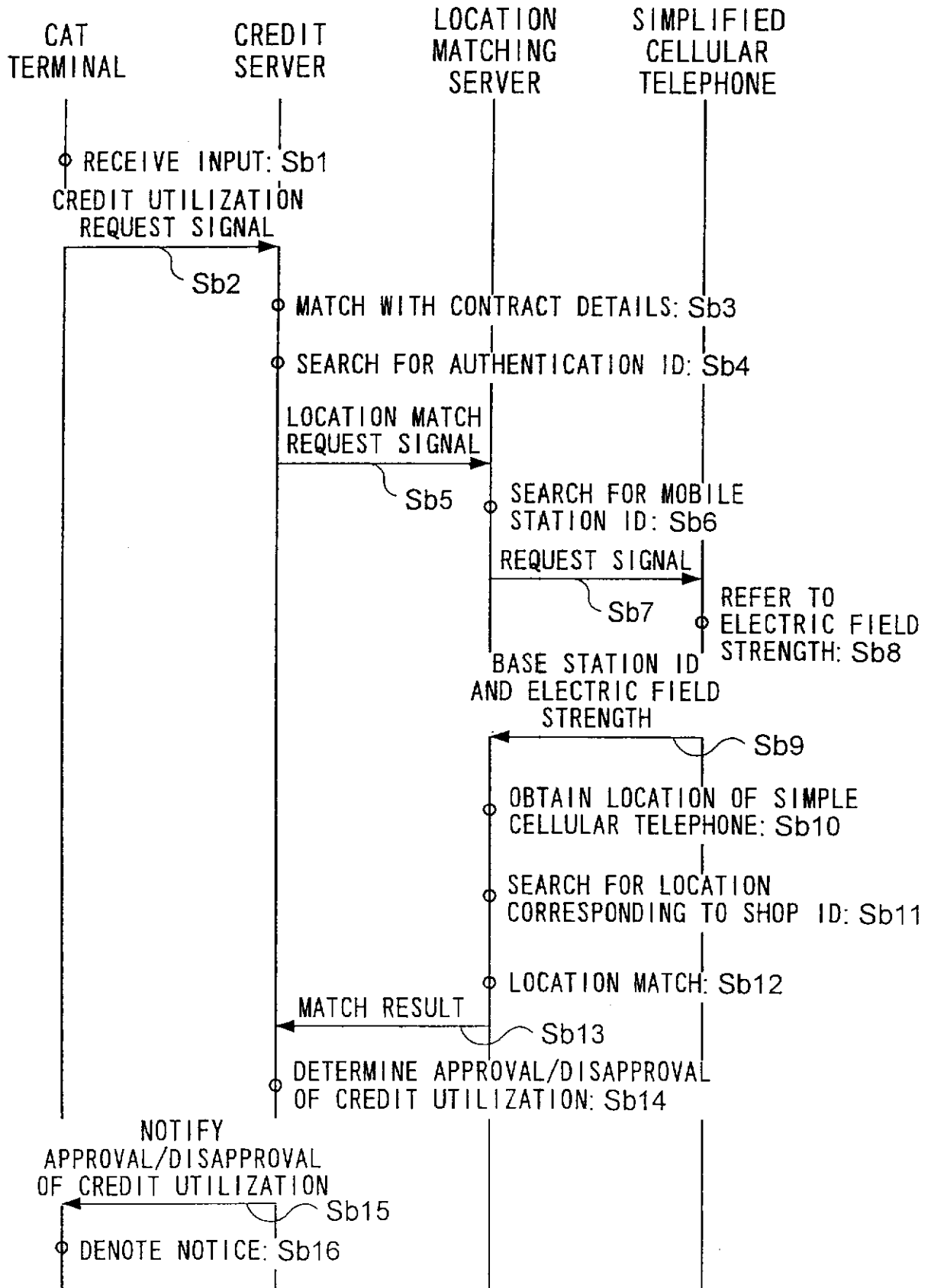
FIG. 10



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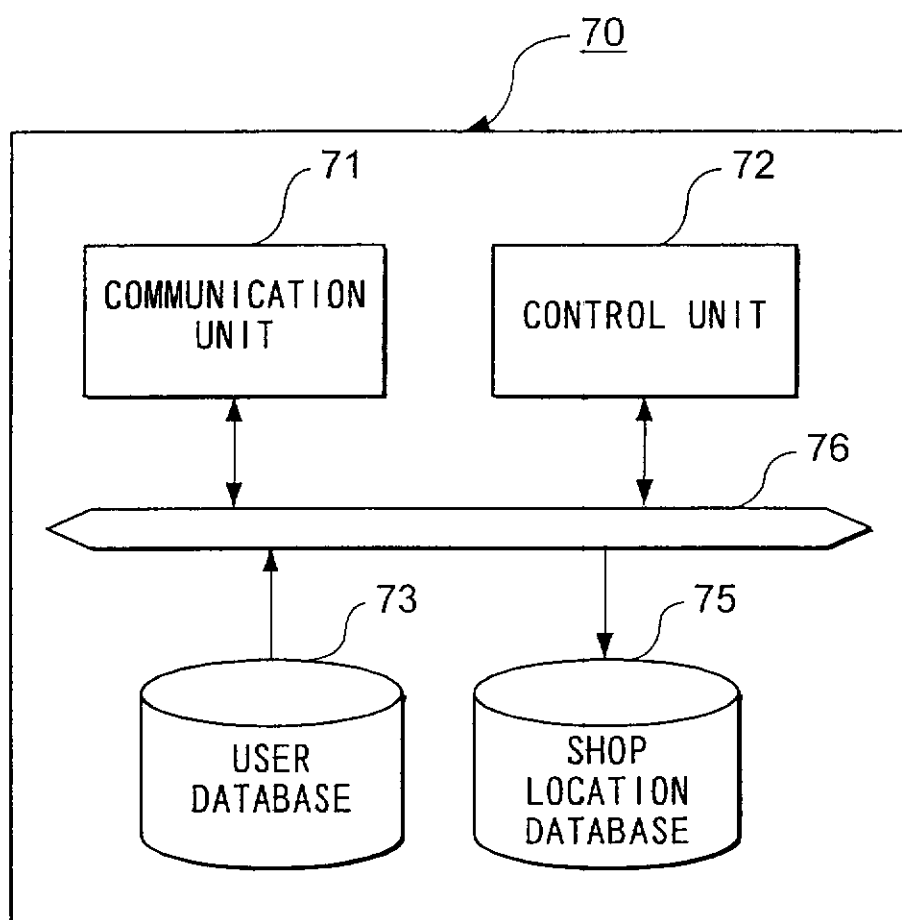
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FIG. 11



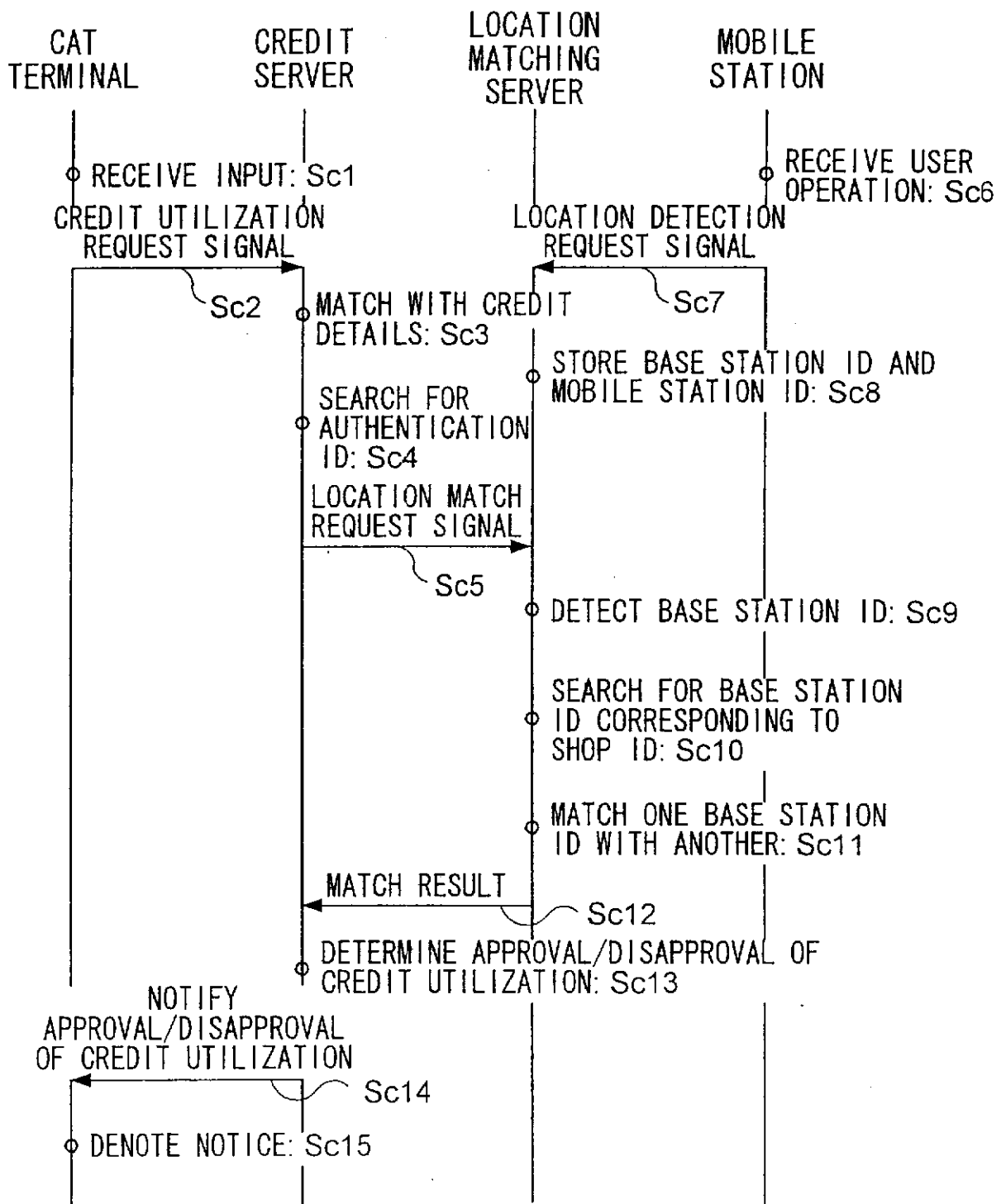
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FIG. 12



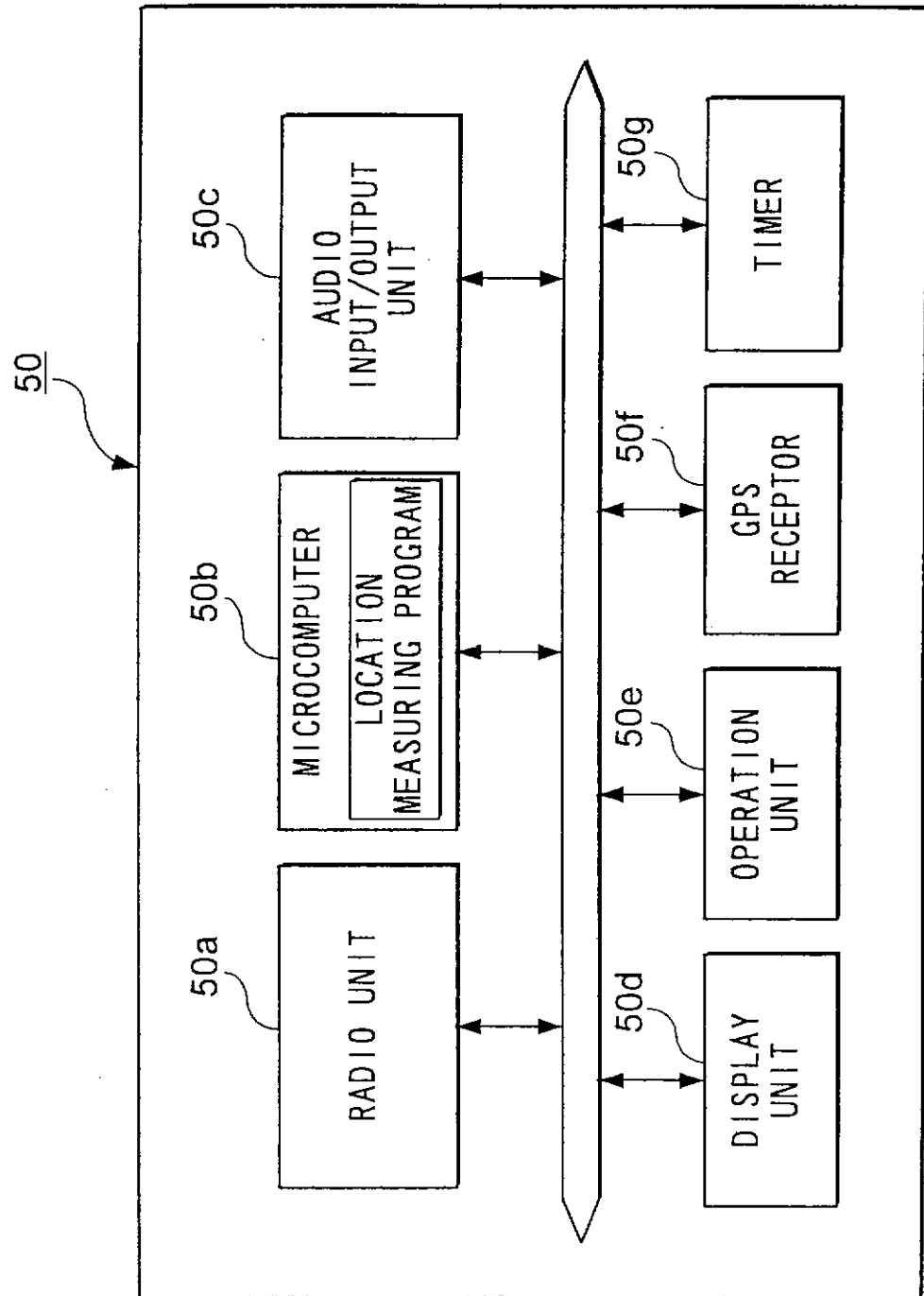
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FIG. 13



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FIG. 14



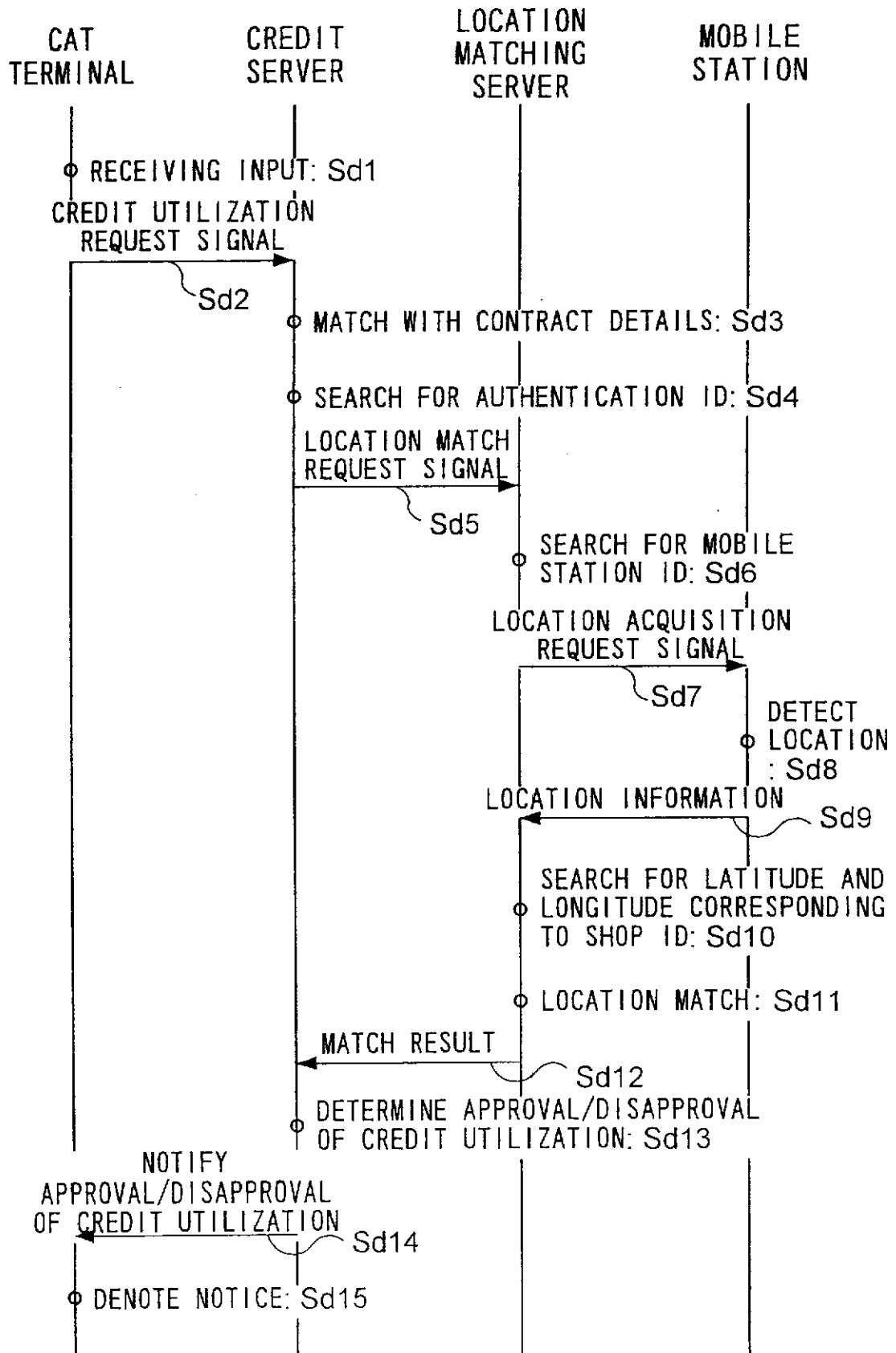
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FIG. 15

SHOP ID	LATITUDE • LONGITUDE
SHOP0001	N35.43.21.99E141.43.21.99
SHOP0002	N35.43.45.25E141.43.22.26
SHOP0003	N35.43.21.01E141.43.21.43
• • • • •	• • • • •
• • • • •	• • • • •
• • • • •	• • • • •

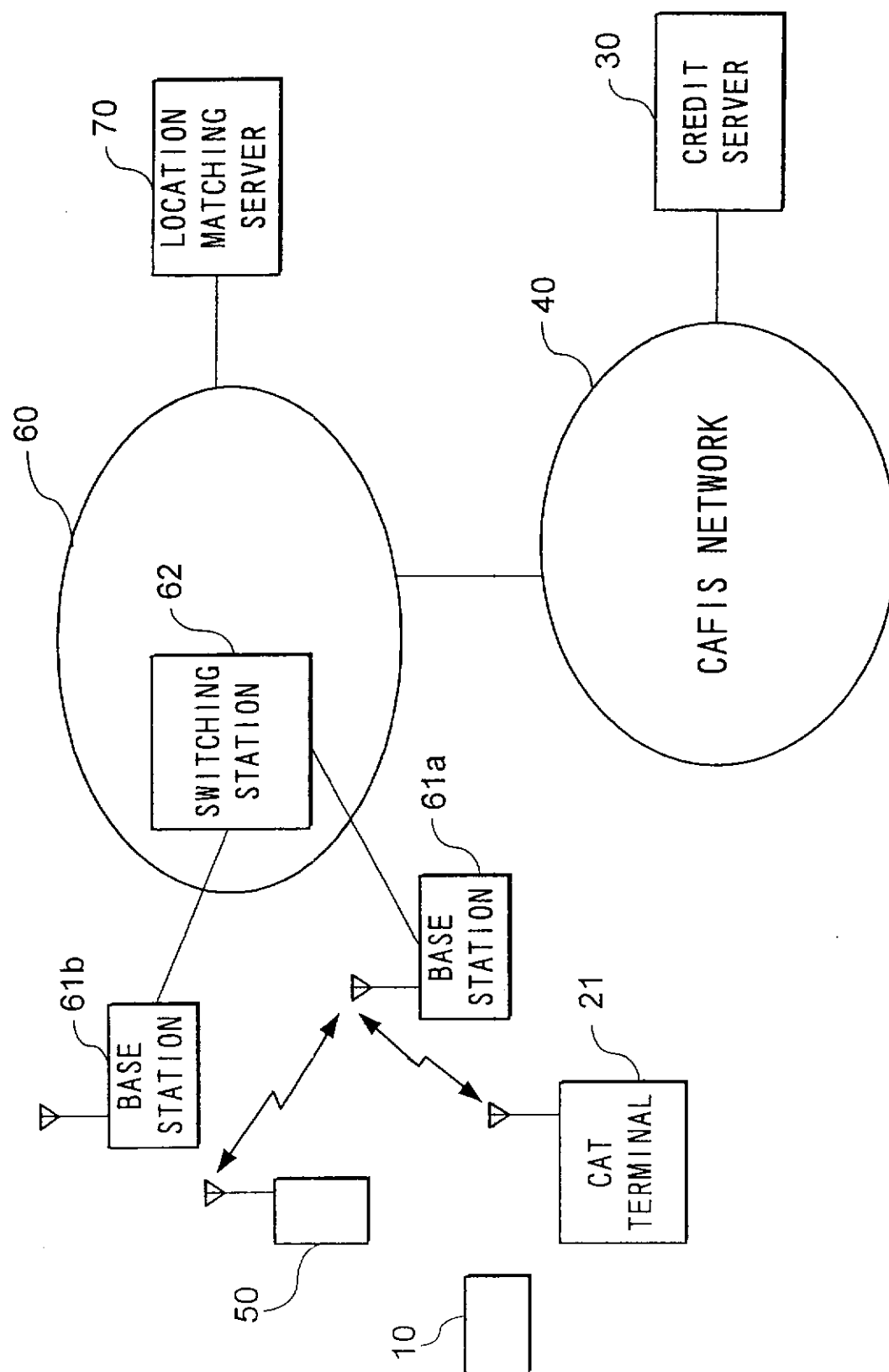
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FIG. 16



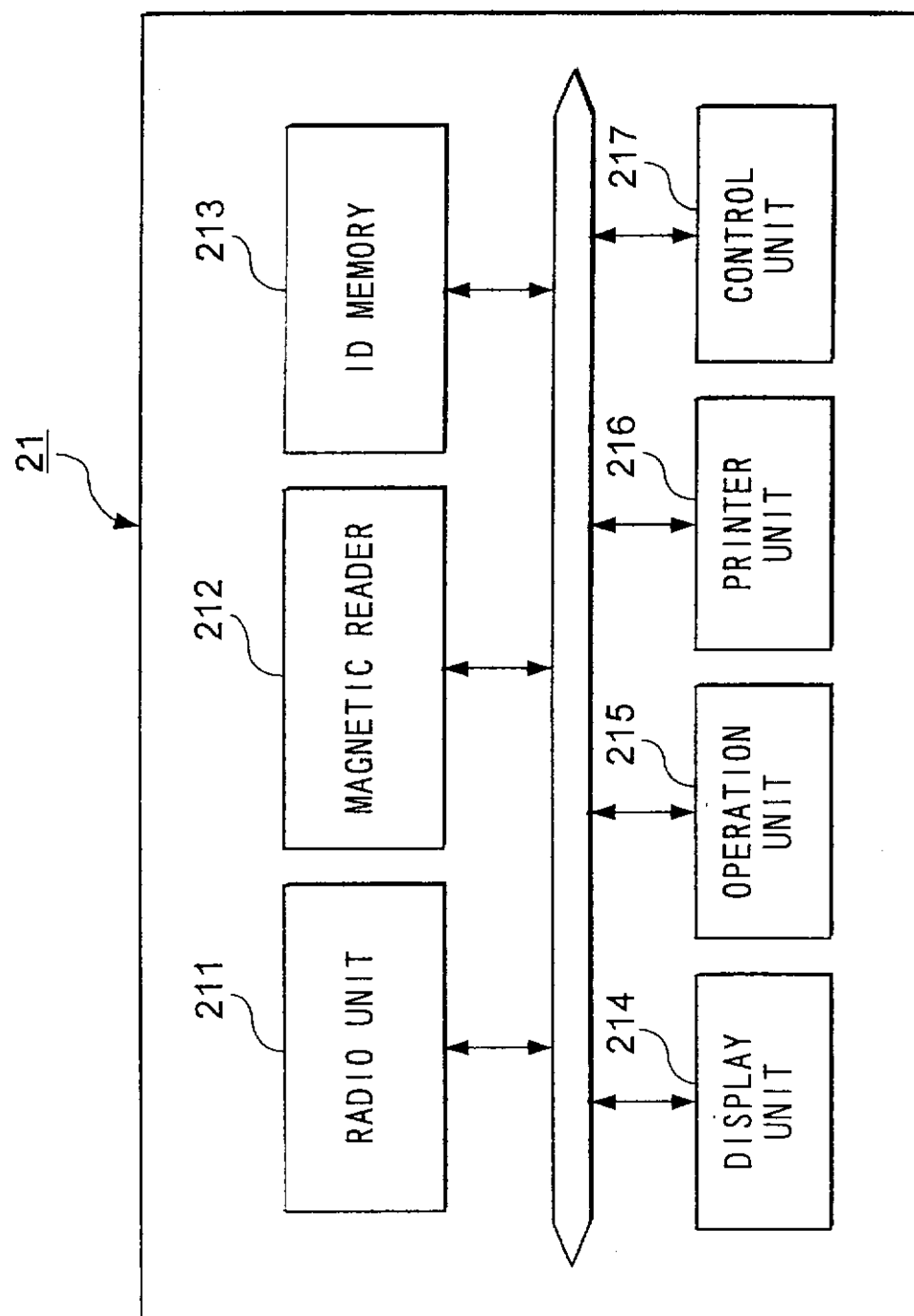
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FIG. 17



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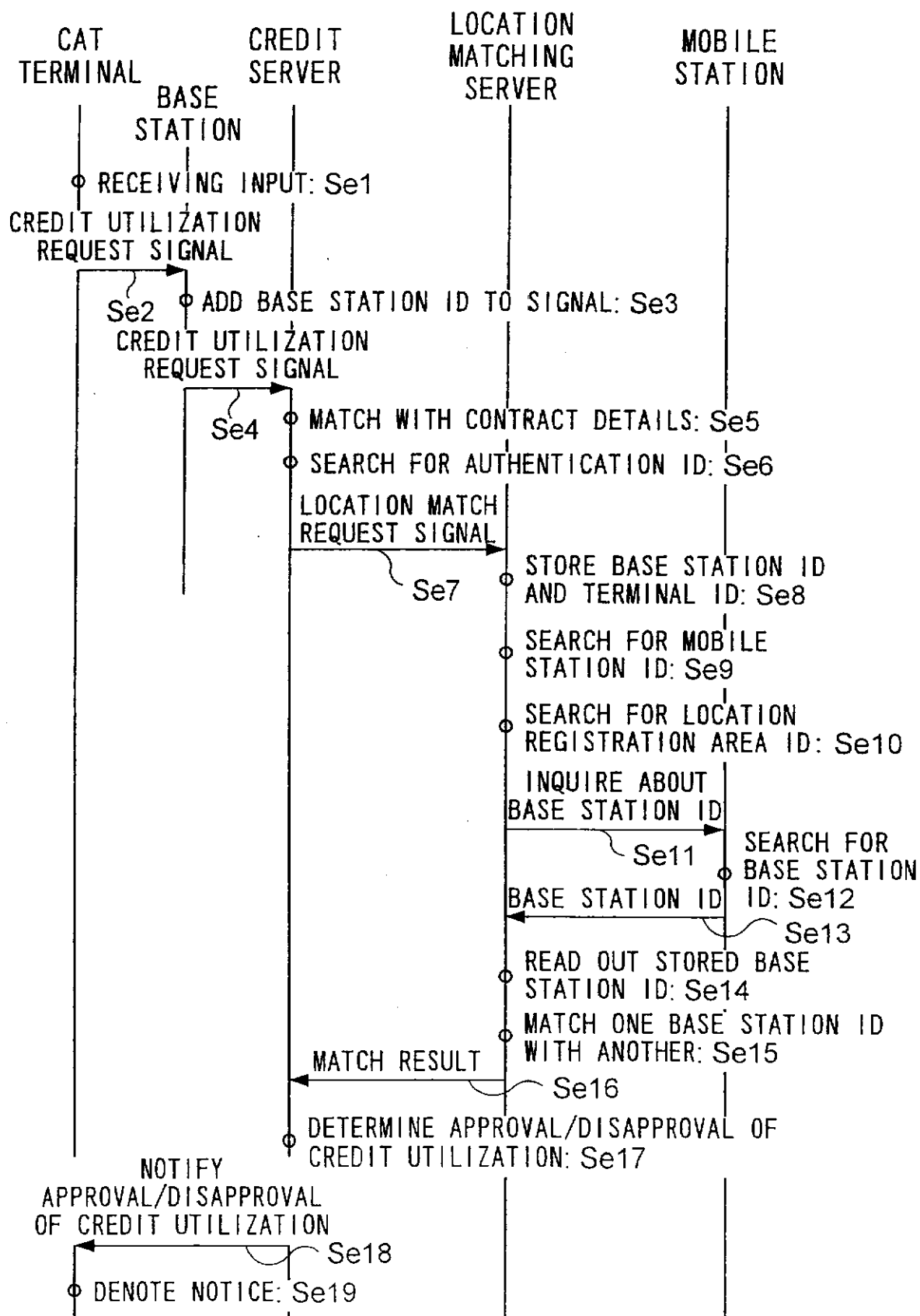
FIG. 18



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FIG. 19



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FIG. 20

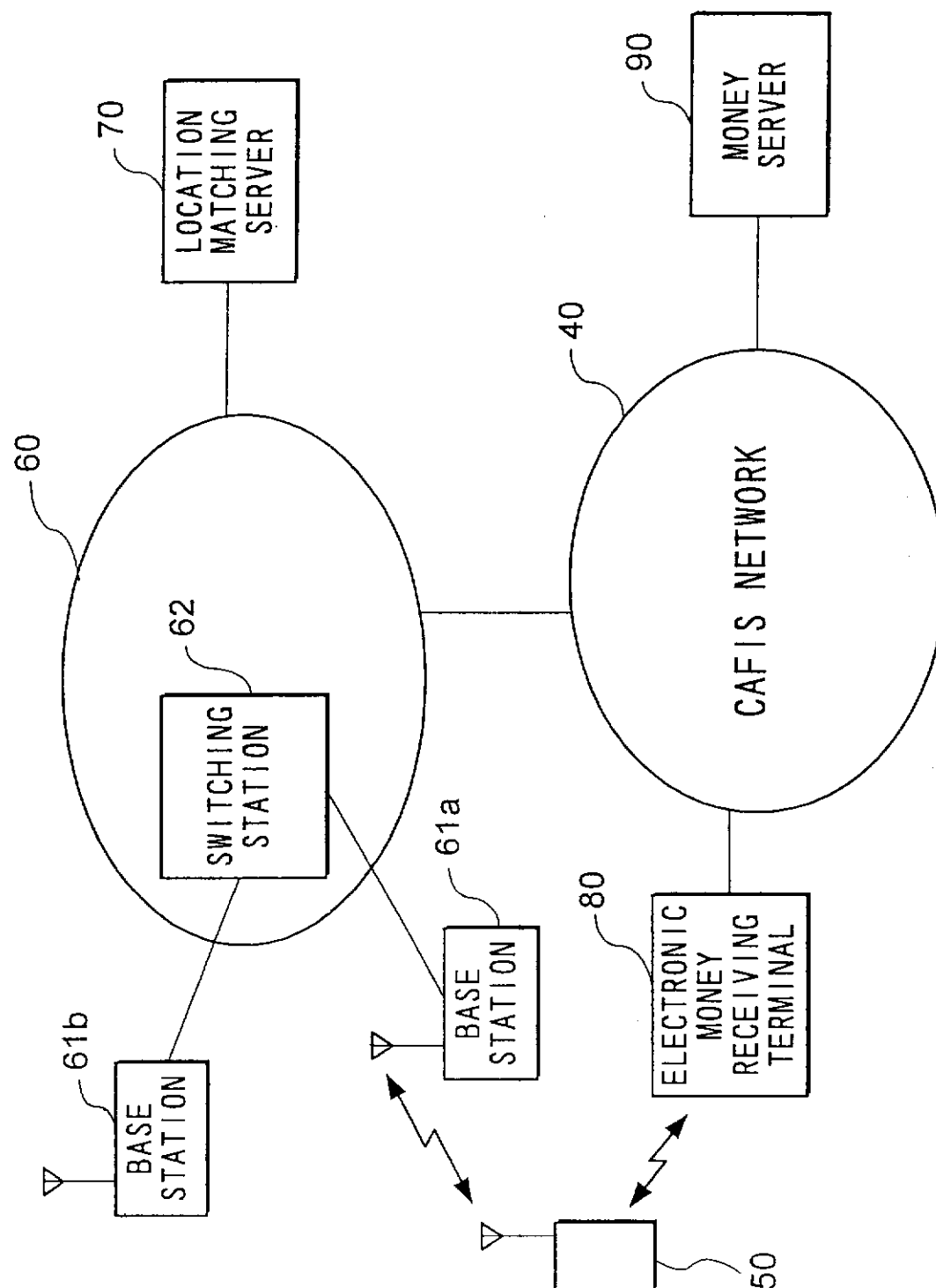
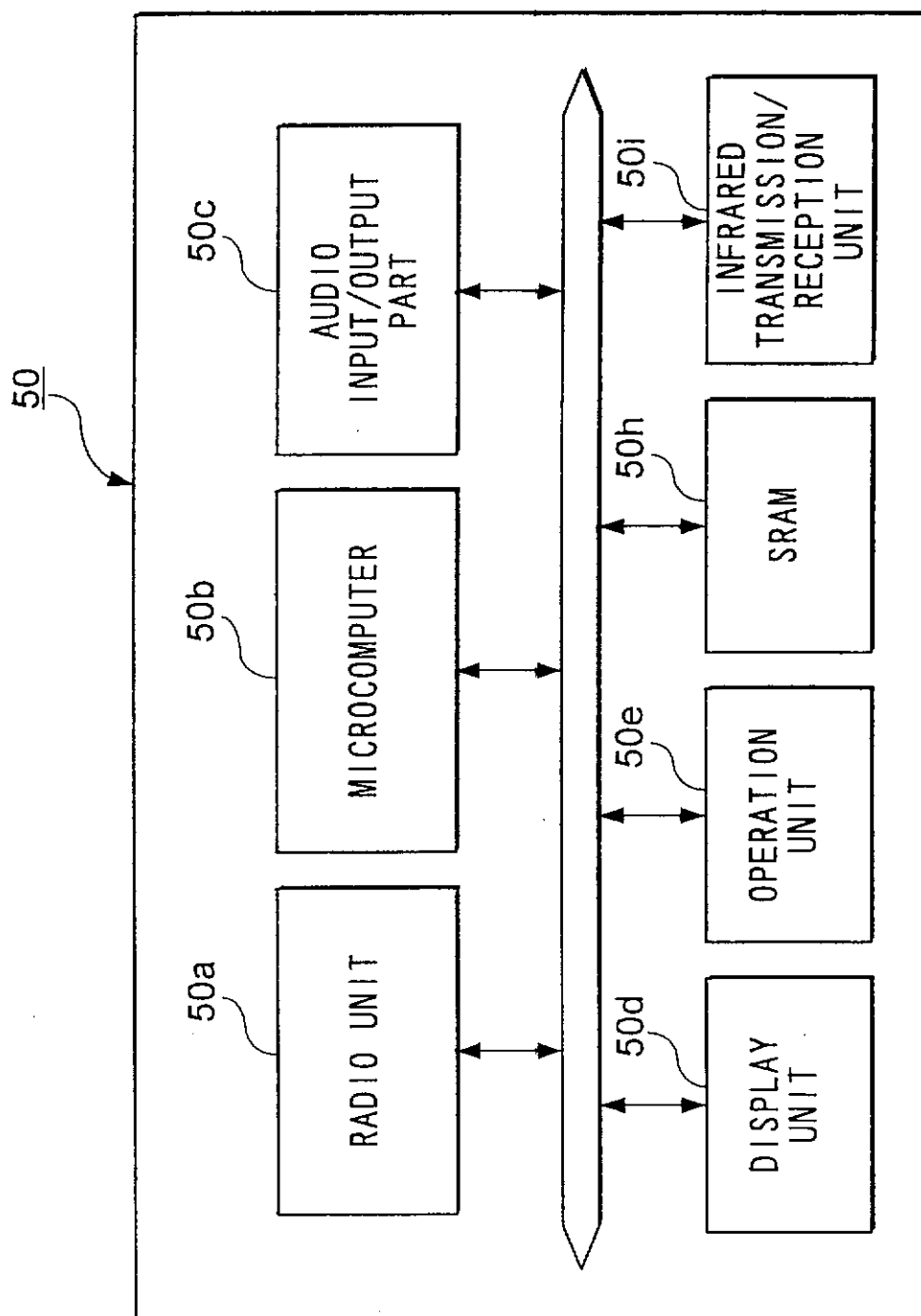
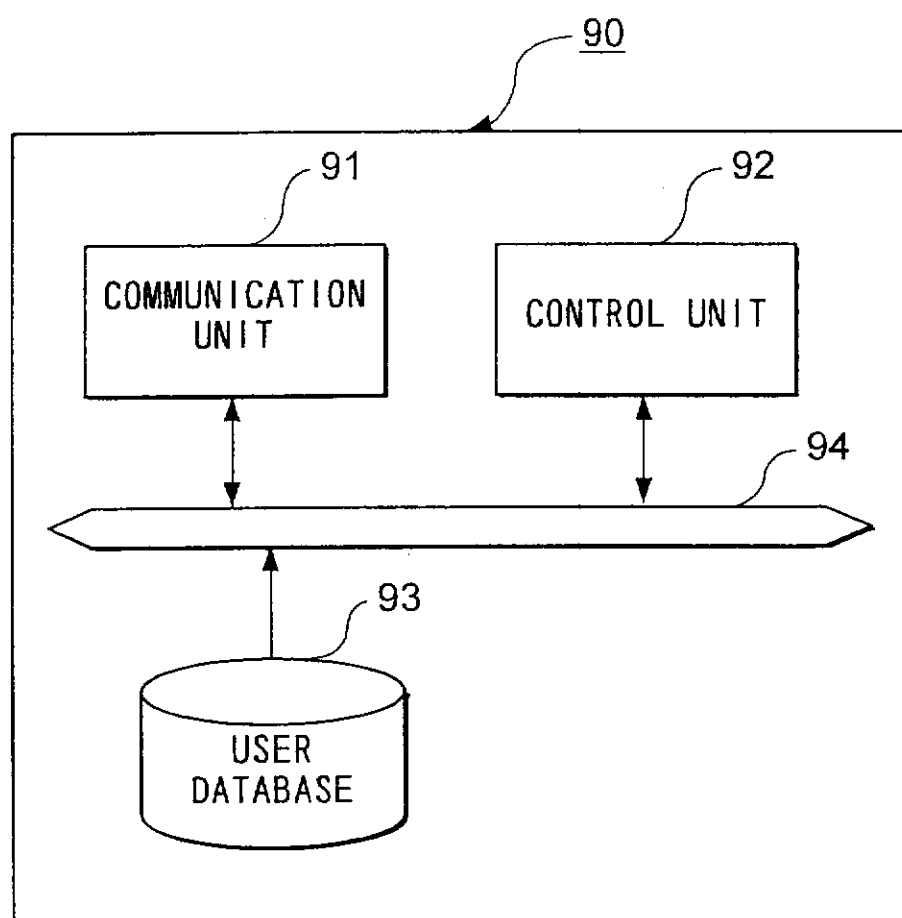


FIG. 21



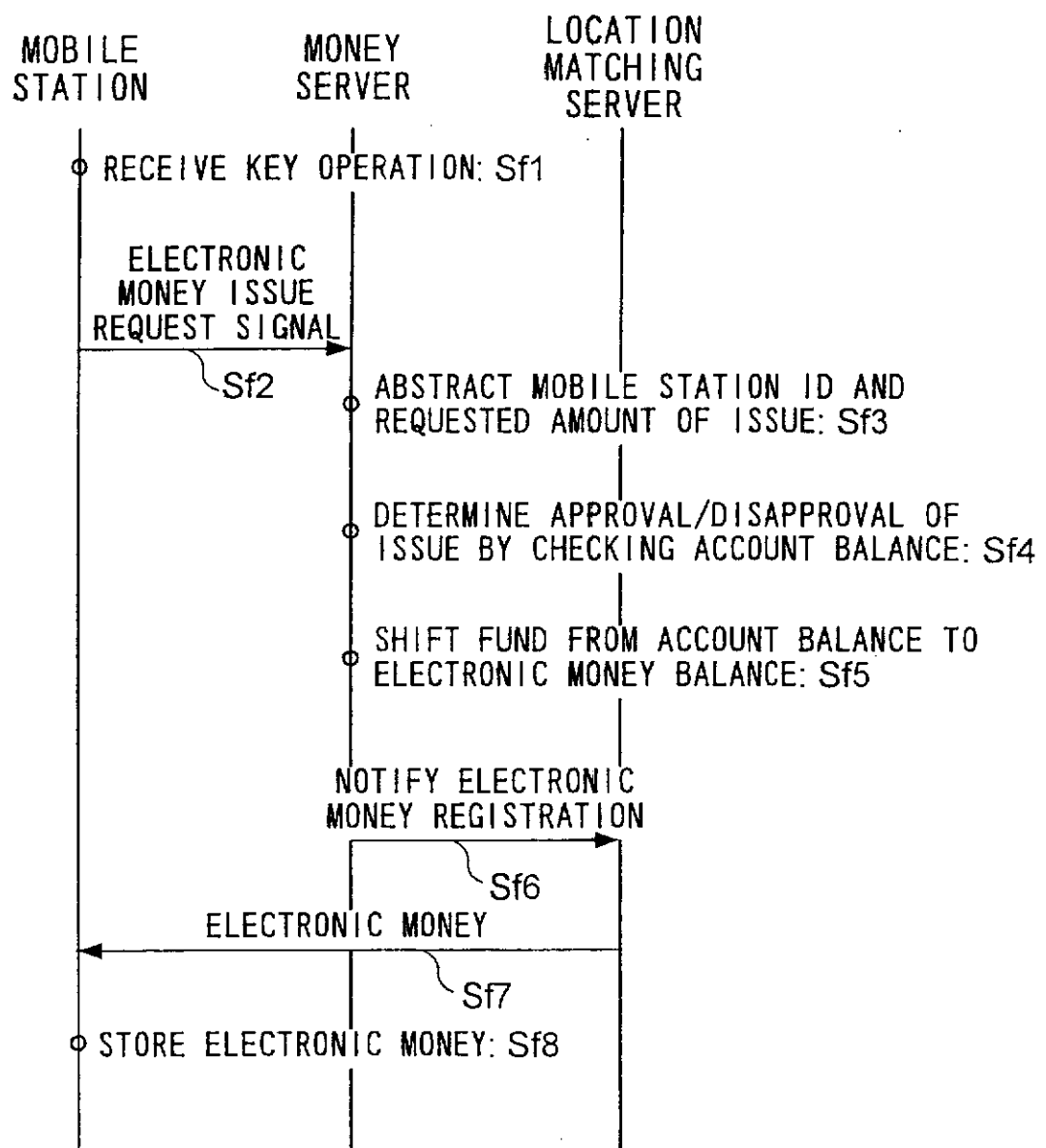
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FIG. 22



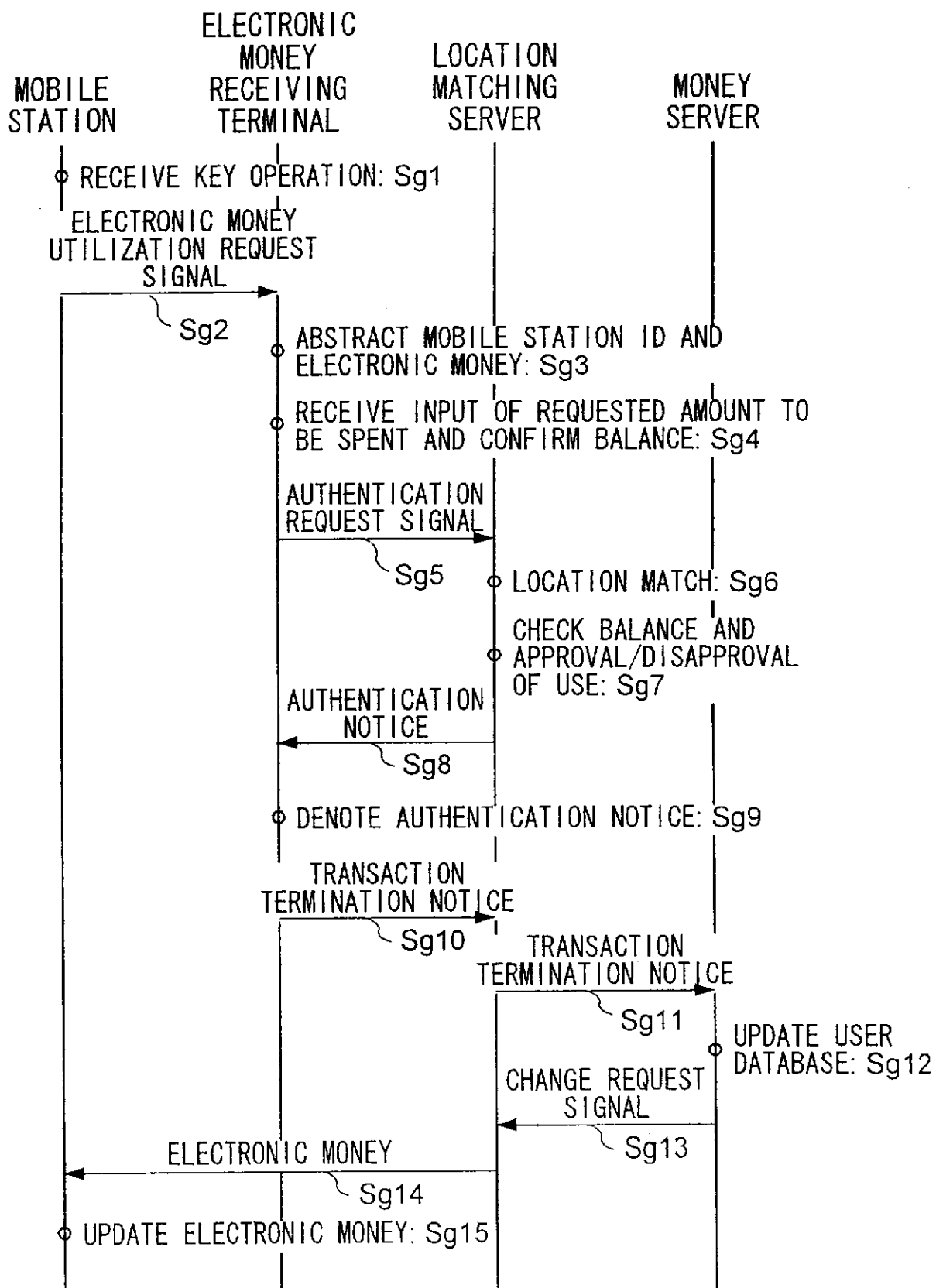
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FIG. 24



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FIG. 25



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FIG. 26

