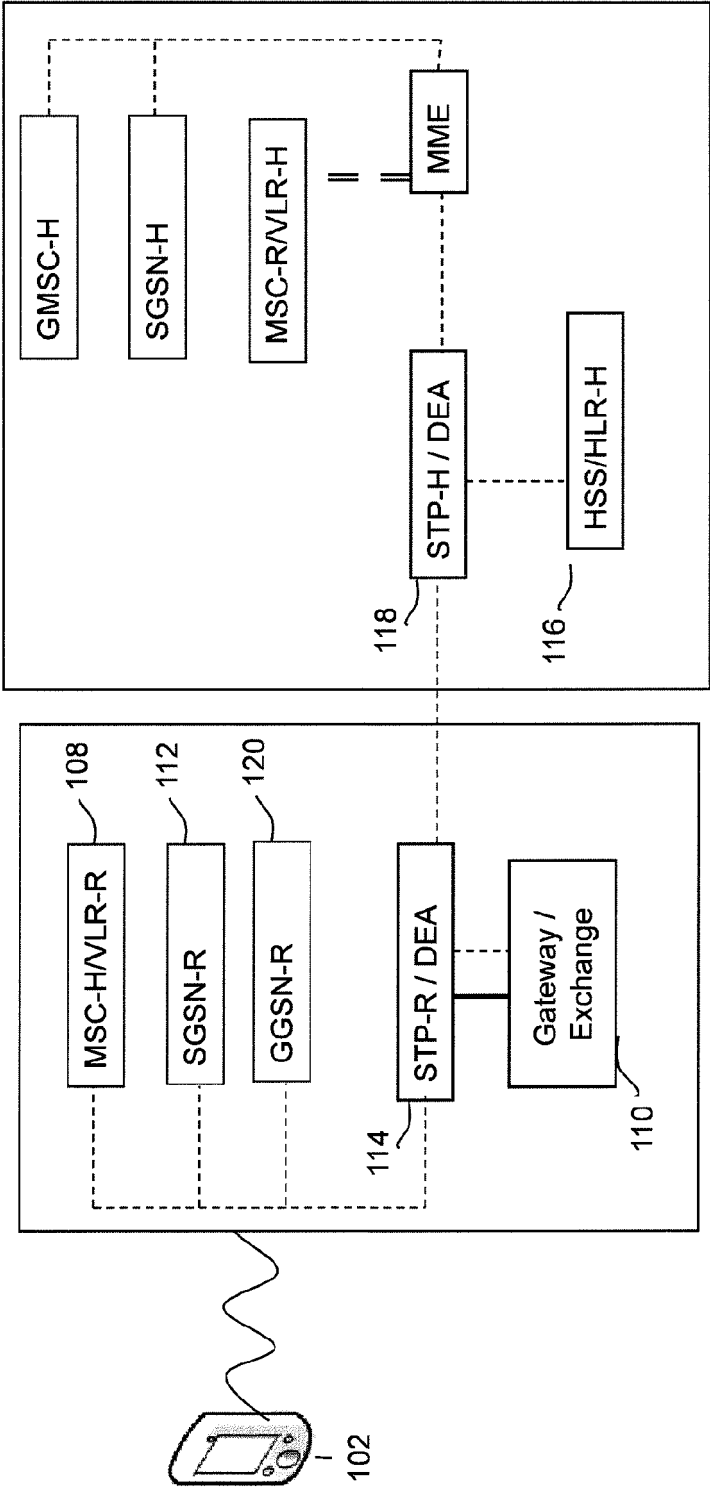


Network Architecture of Trading Exchange for Local data services

SS7 / Diameter IP — BSSAP+ = = = =



100

FIG 1

2/14

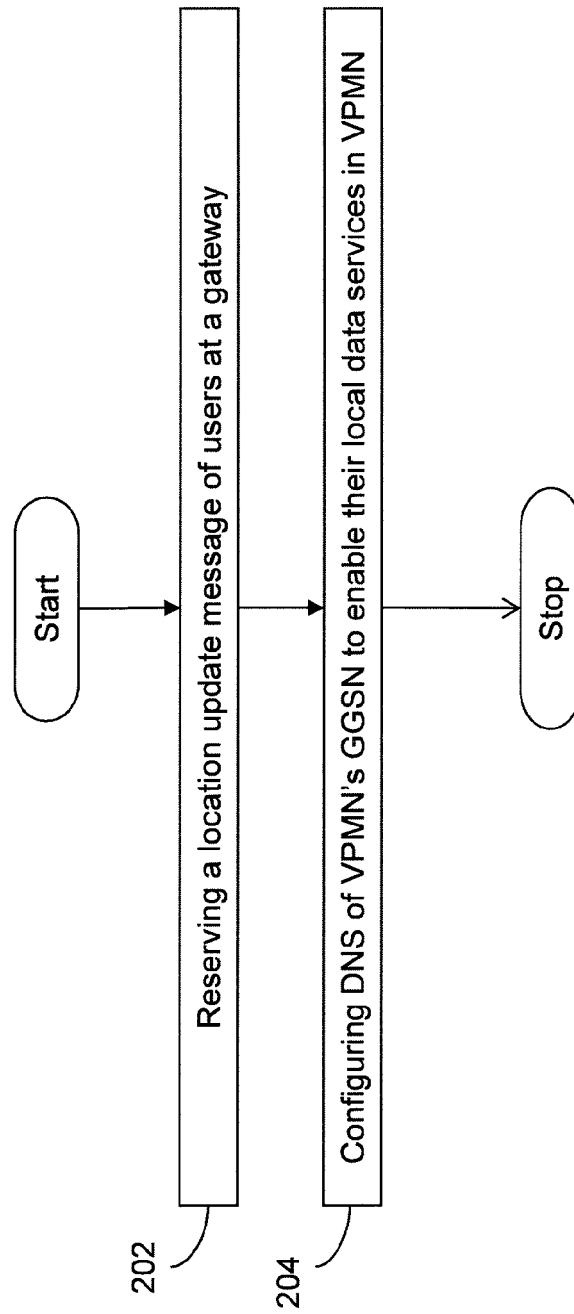


FIG 2

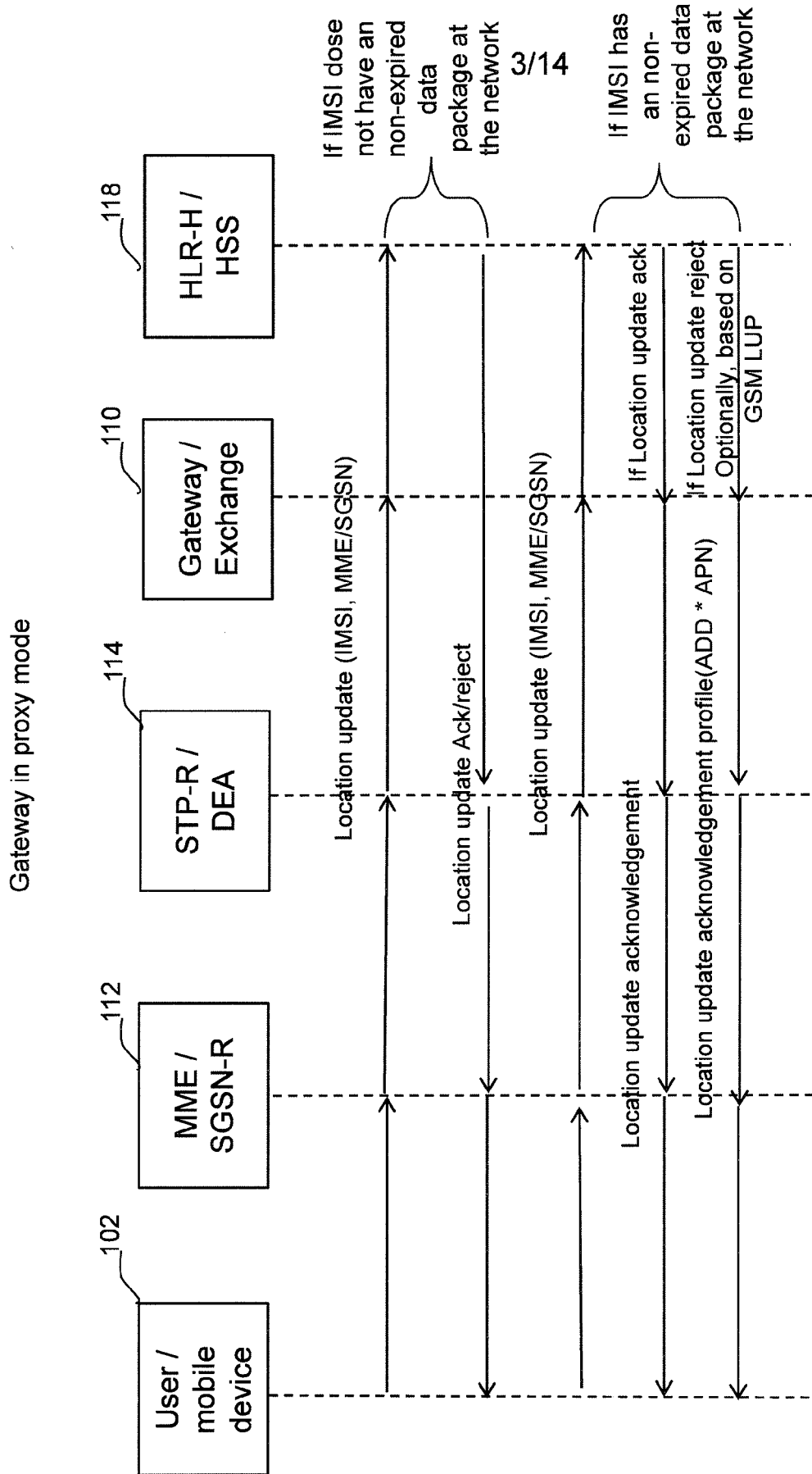


FIG 3

Gateway in proxy mode for hard steering

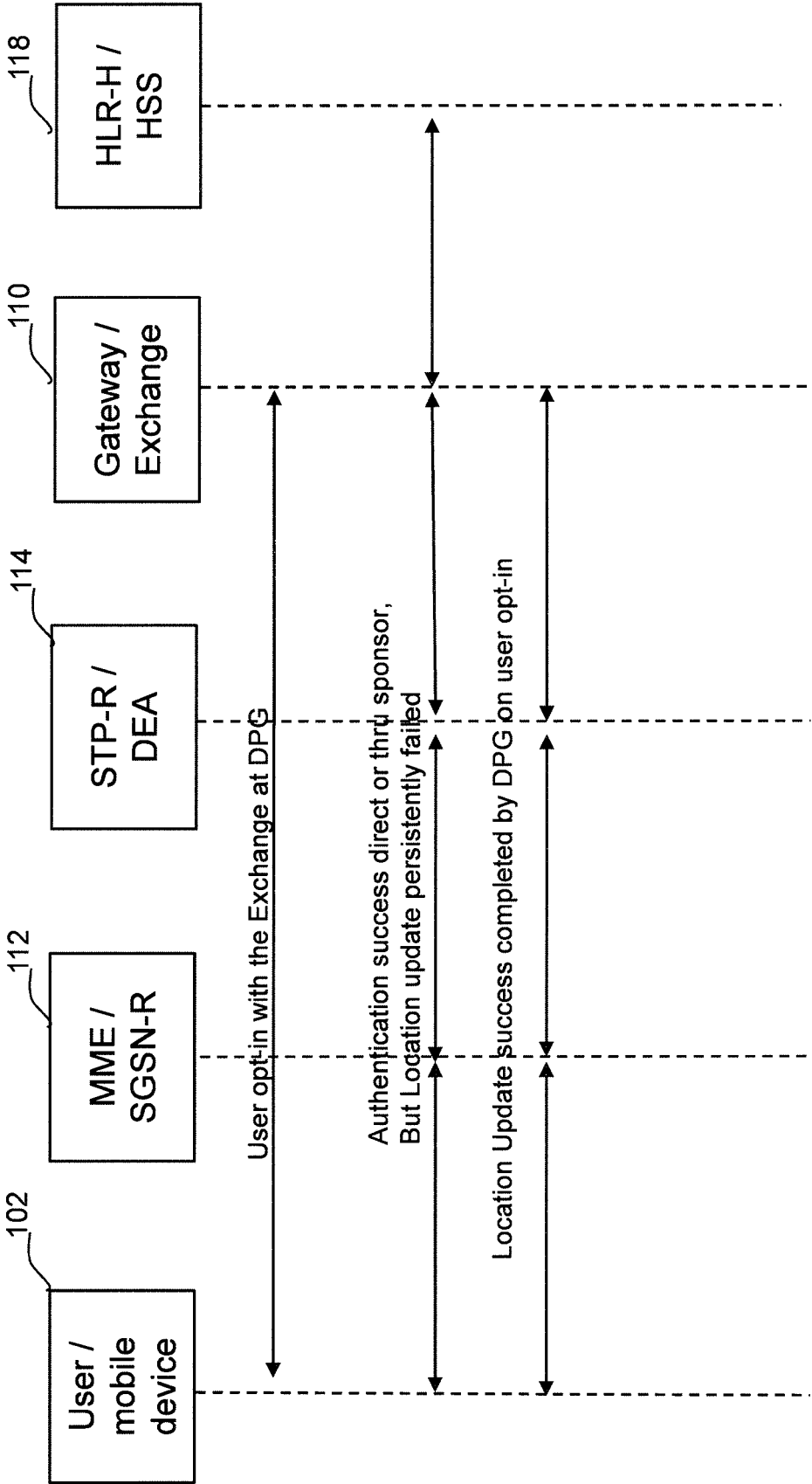


FIG 4

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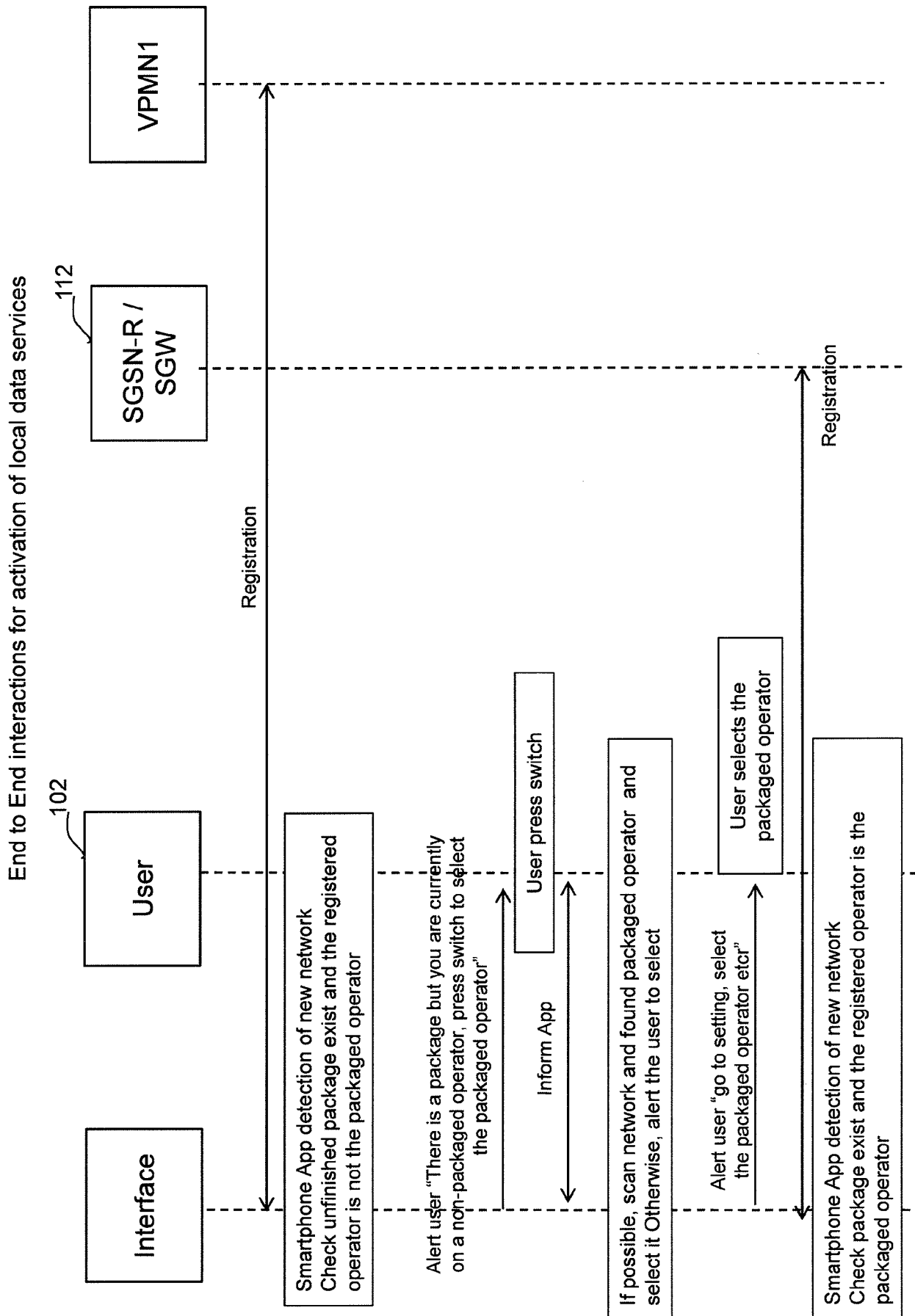


FIG 5a

End to End interactions for activation of local data services

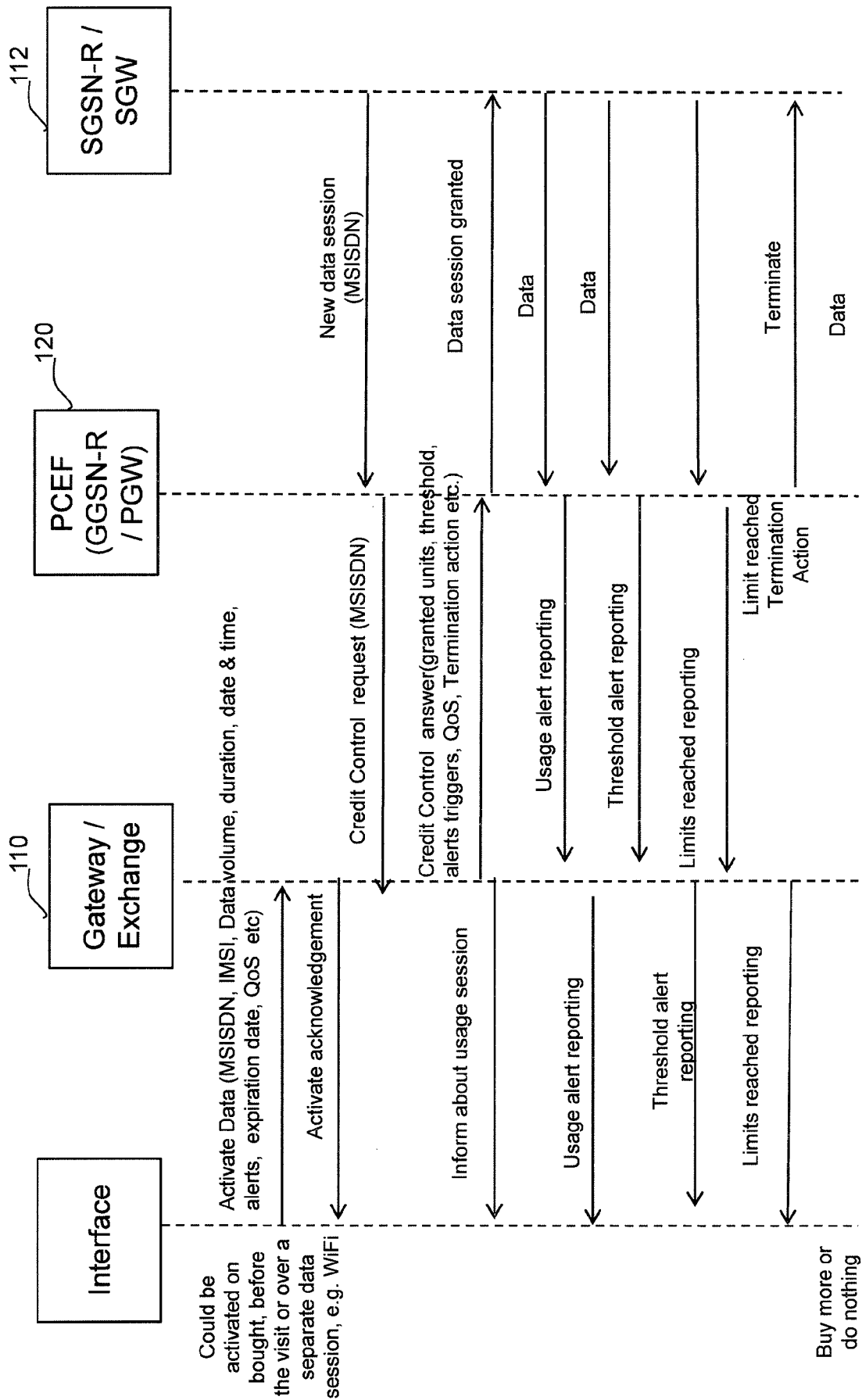


FIG 5b

USSD Channel for roaming free access

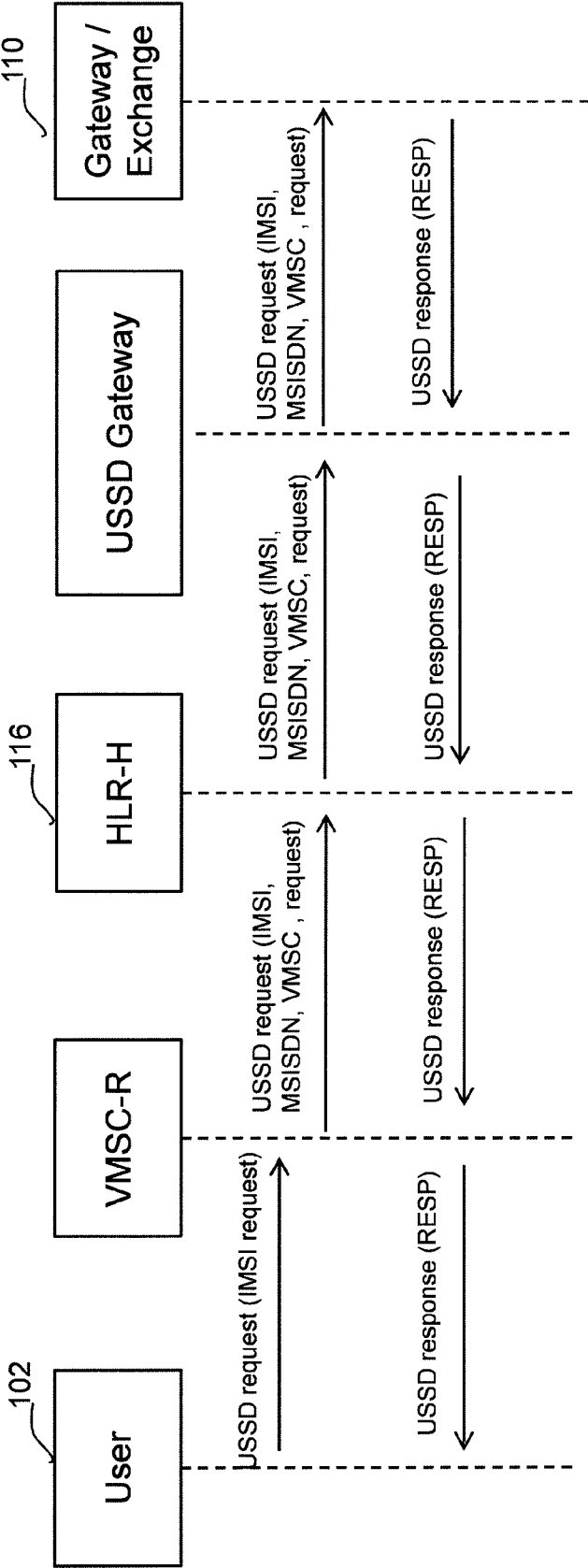


FIG 6

Overall business model for execution

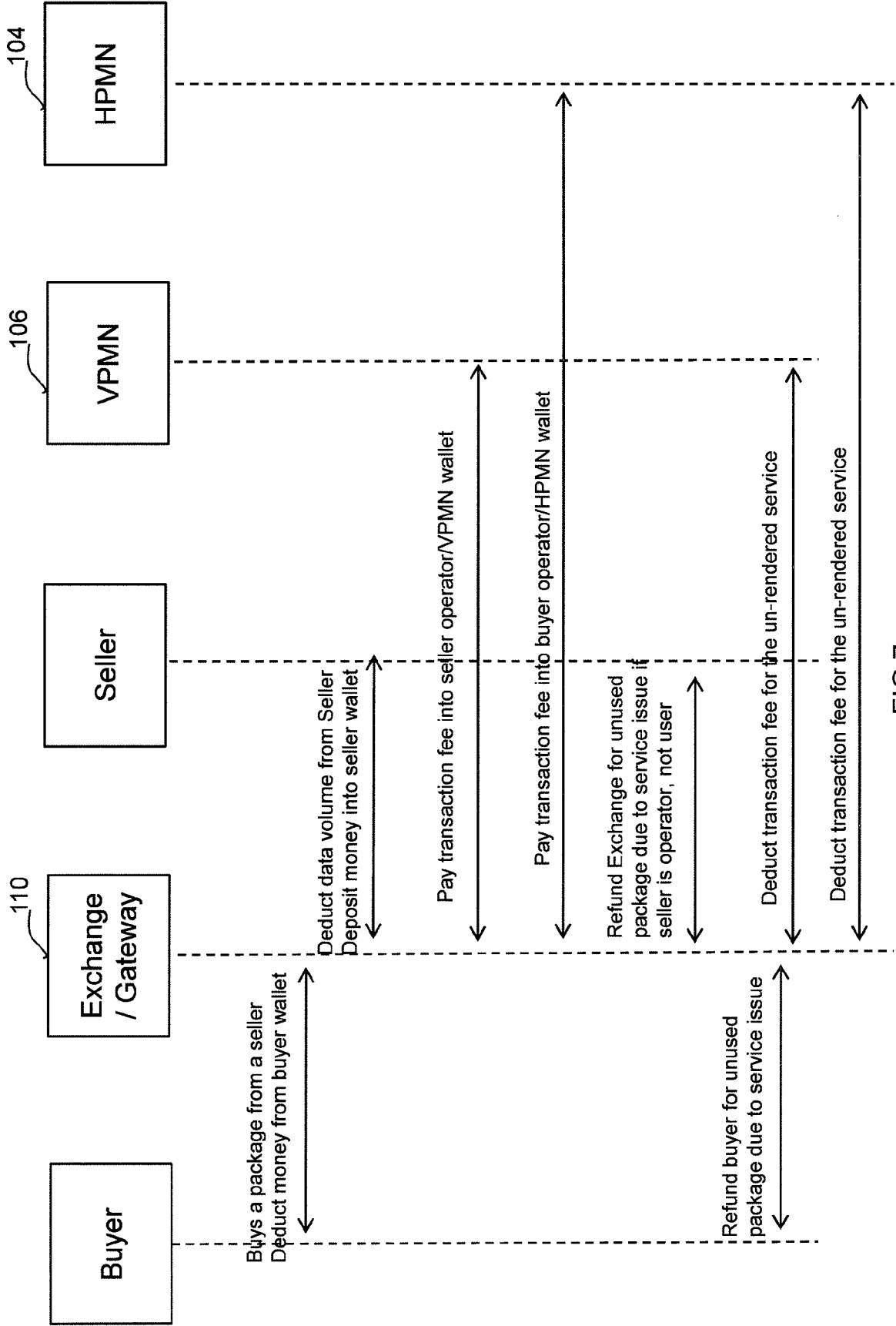


FIG 7

Sample transaction process

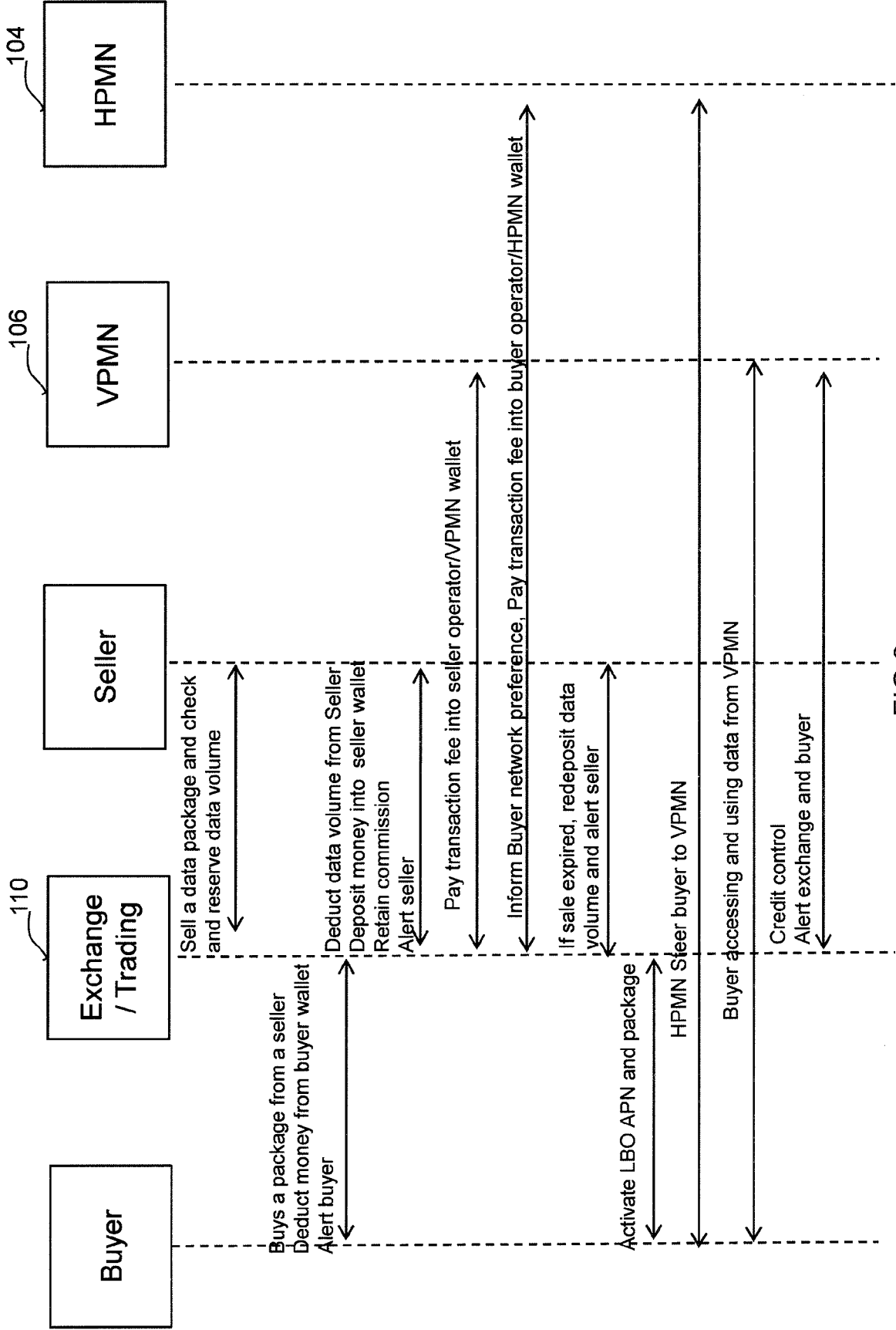


FIG 8

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Sample refund process

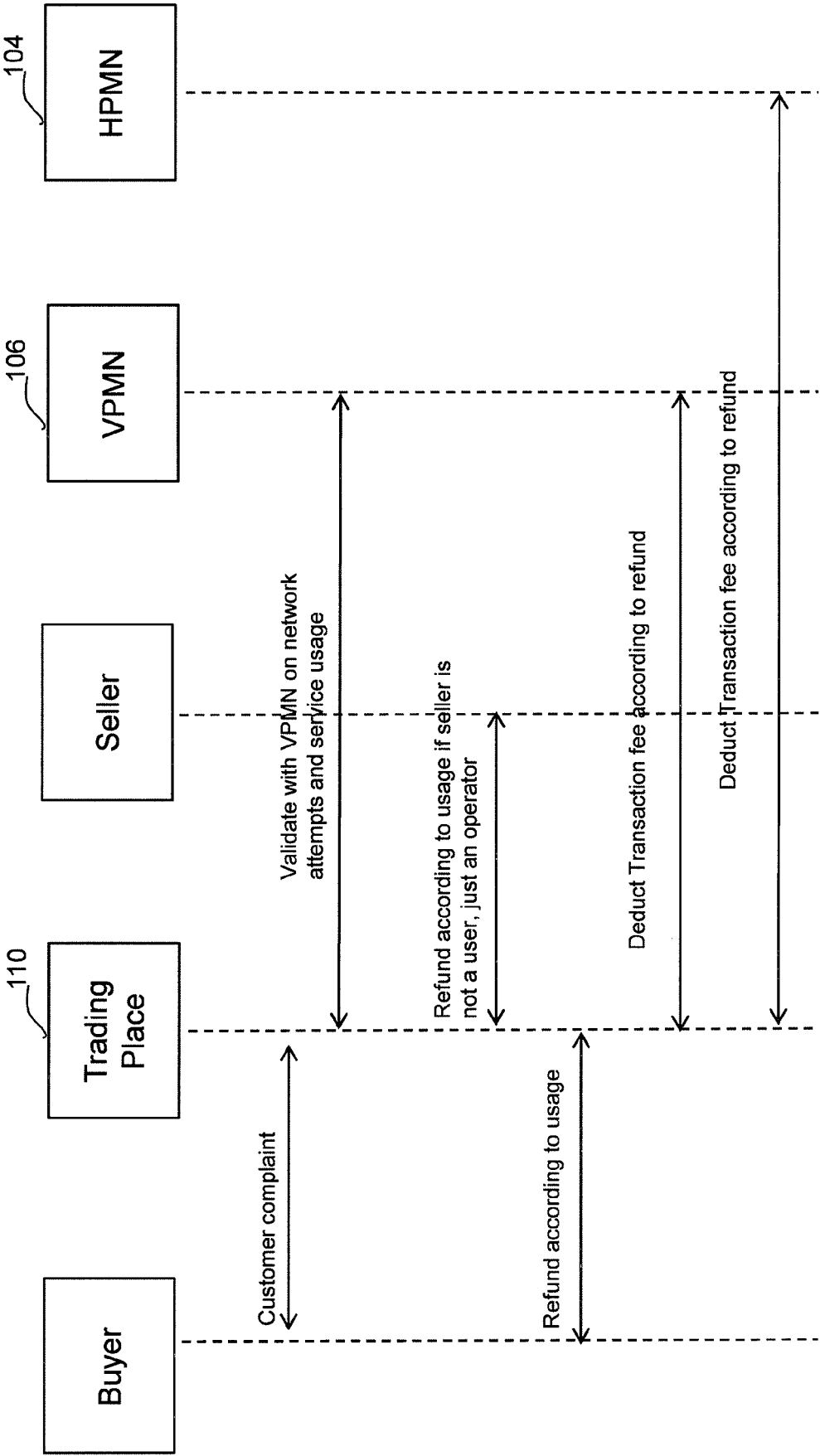


FIG 9

Call flow when un-expired data package and no home routing

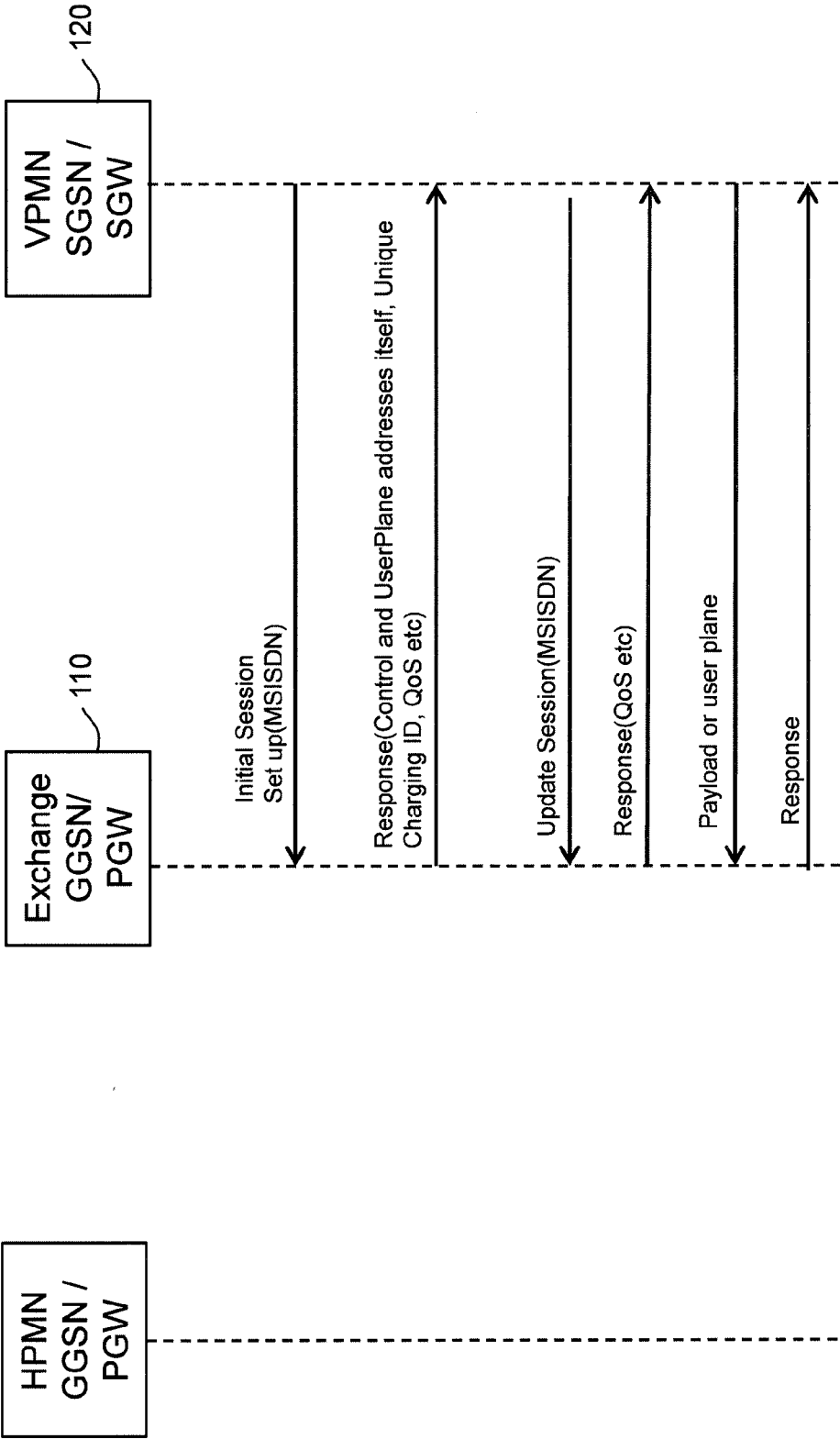


FIG 10

Call flow when no un-expired data package and home routing

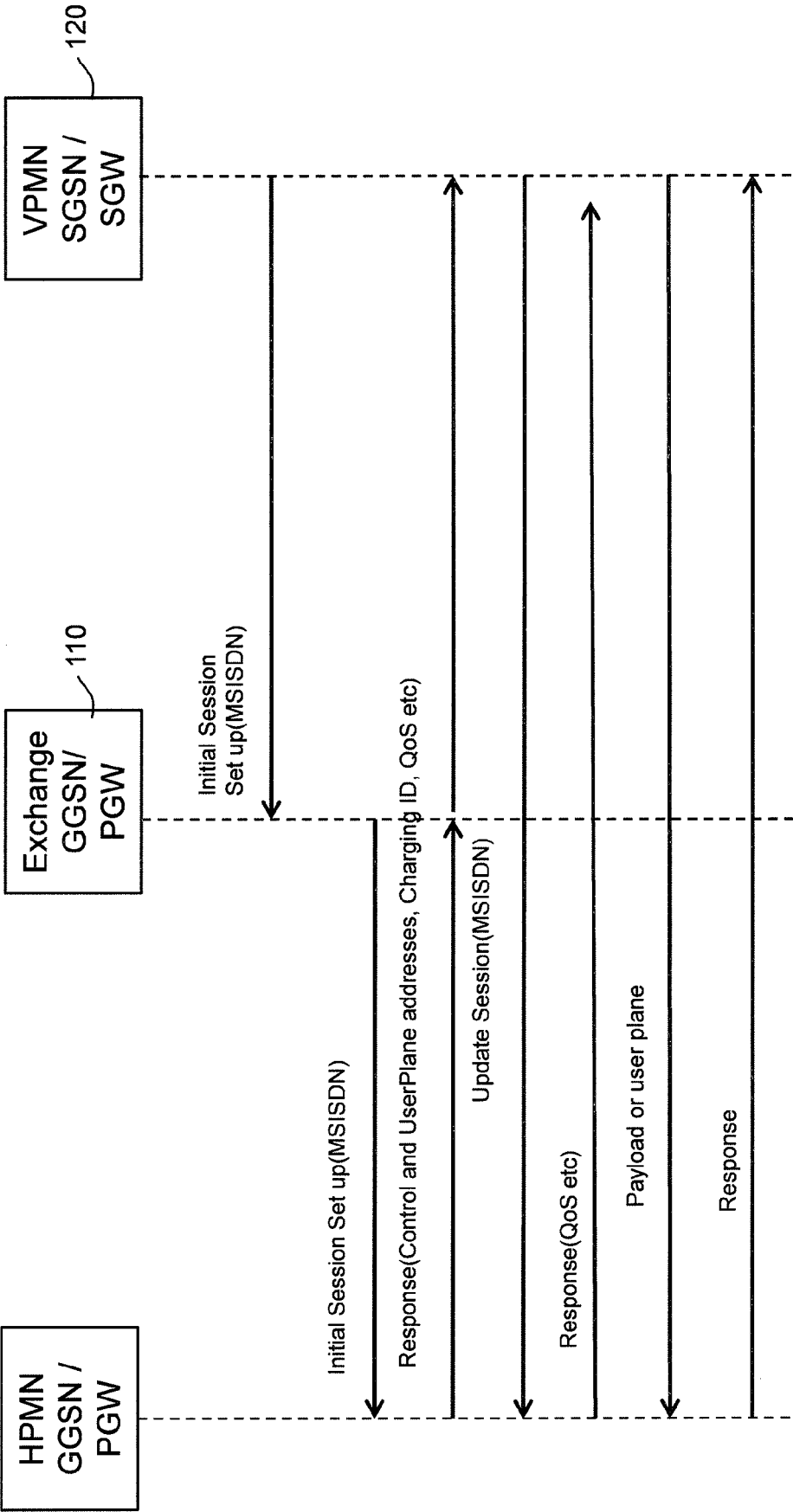
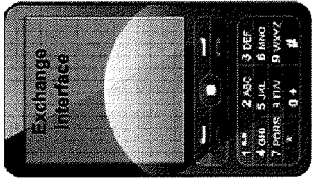


FIG 11



Auto buy of local data service plan

Checkbox☐

Radio box☐

Day☐

3 day☐

Week☐

Month☐

Auto buy a data plan when detected in a trading country

Checkbox☐

Recurring

Checkbox

Price

Speed

Coverage

Quality

Price

Speed

Coverage

Quality

100%

FIG 12

Auto sell of un-used local data service plan

Checkbox

☐

Auto Sell Unused Package

Radiobox

☐

Detected Back home

☐

Detected in another country

☐

Based Usage rate so far

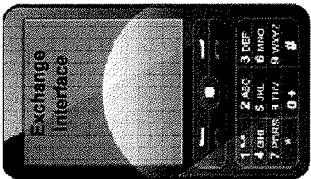


FIG 13