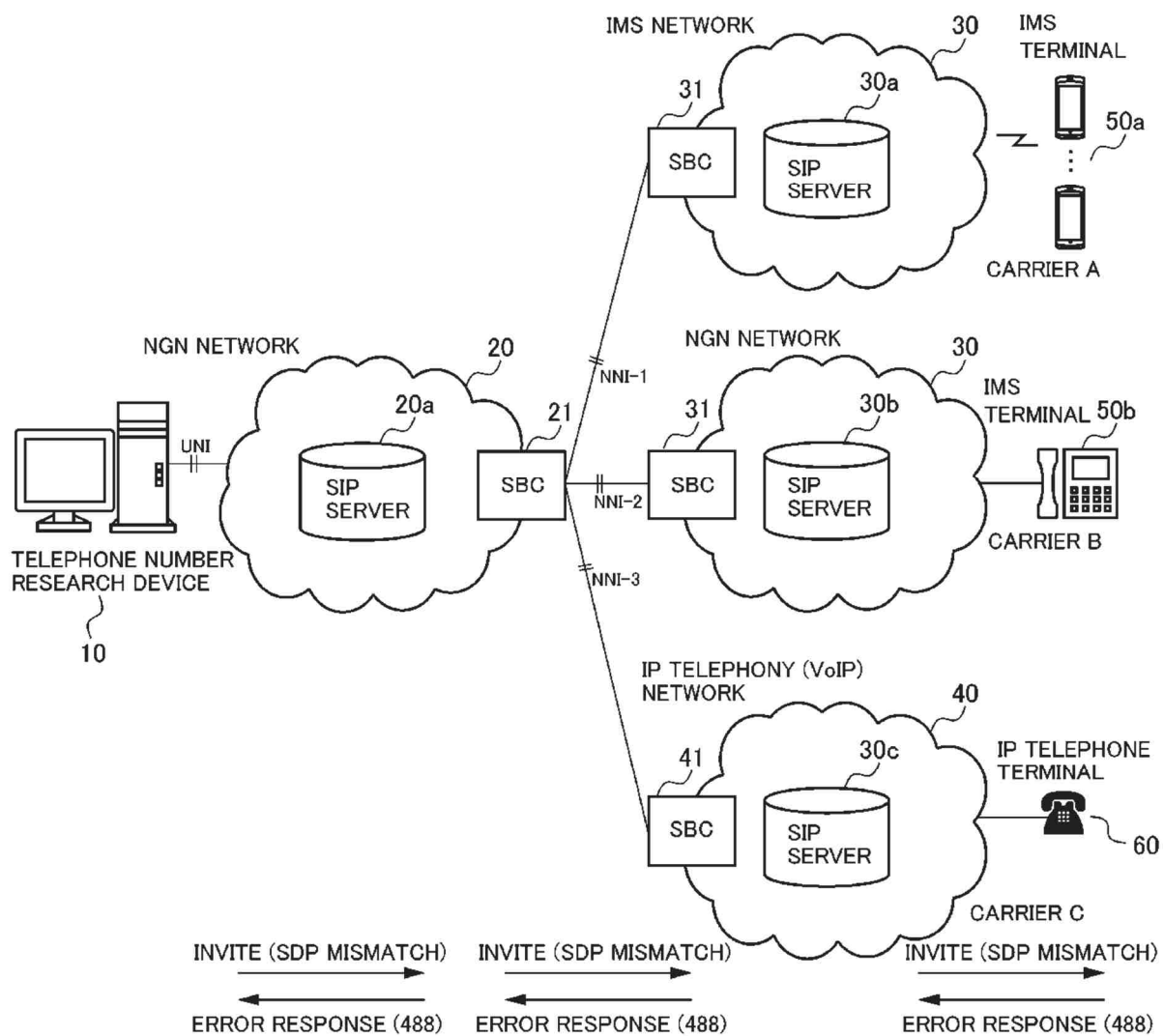


FIG. 1



**FIG. 2**

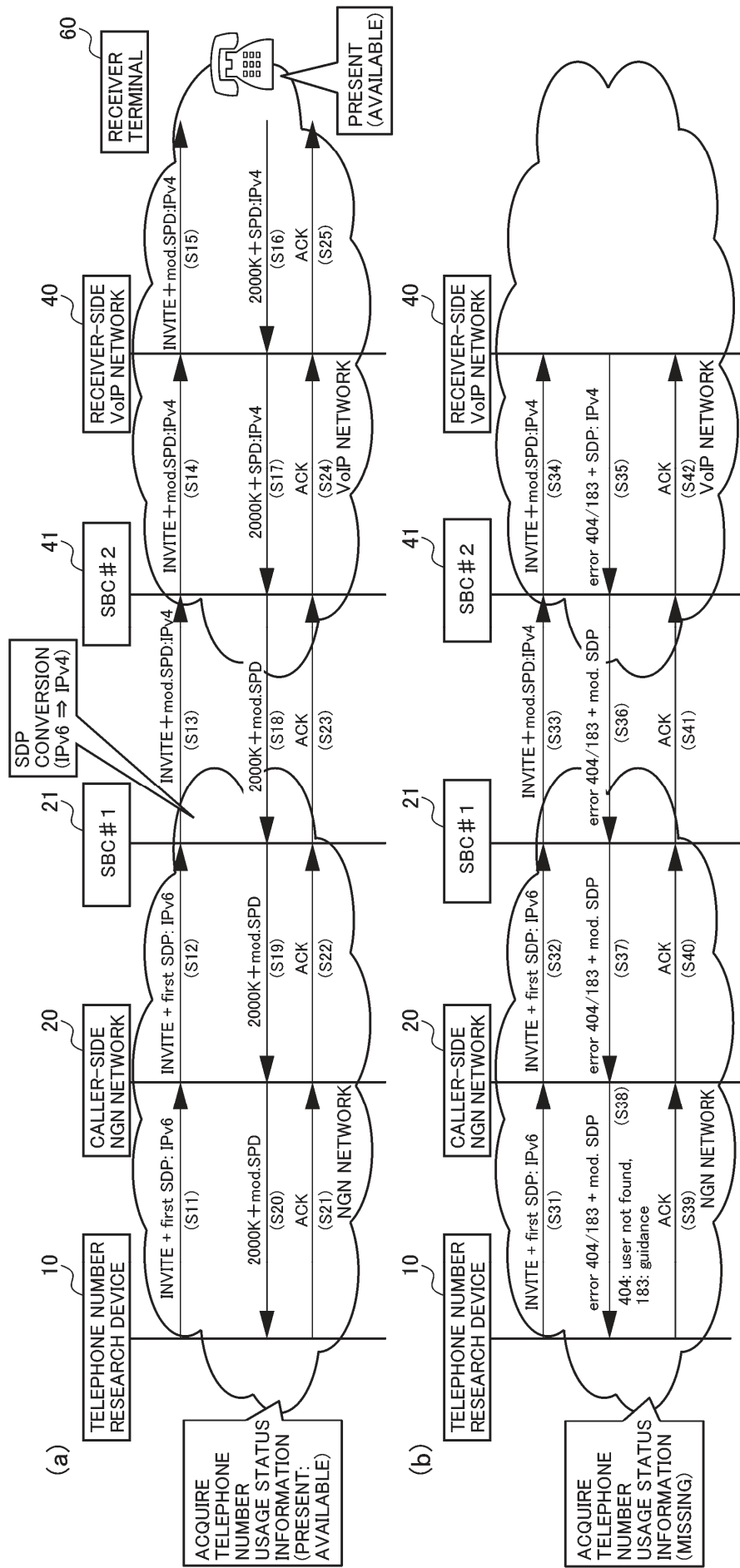


FIG.3

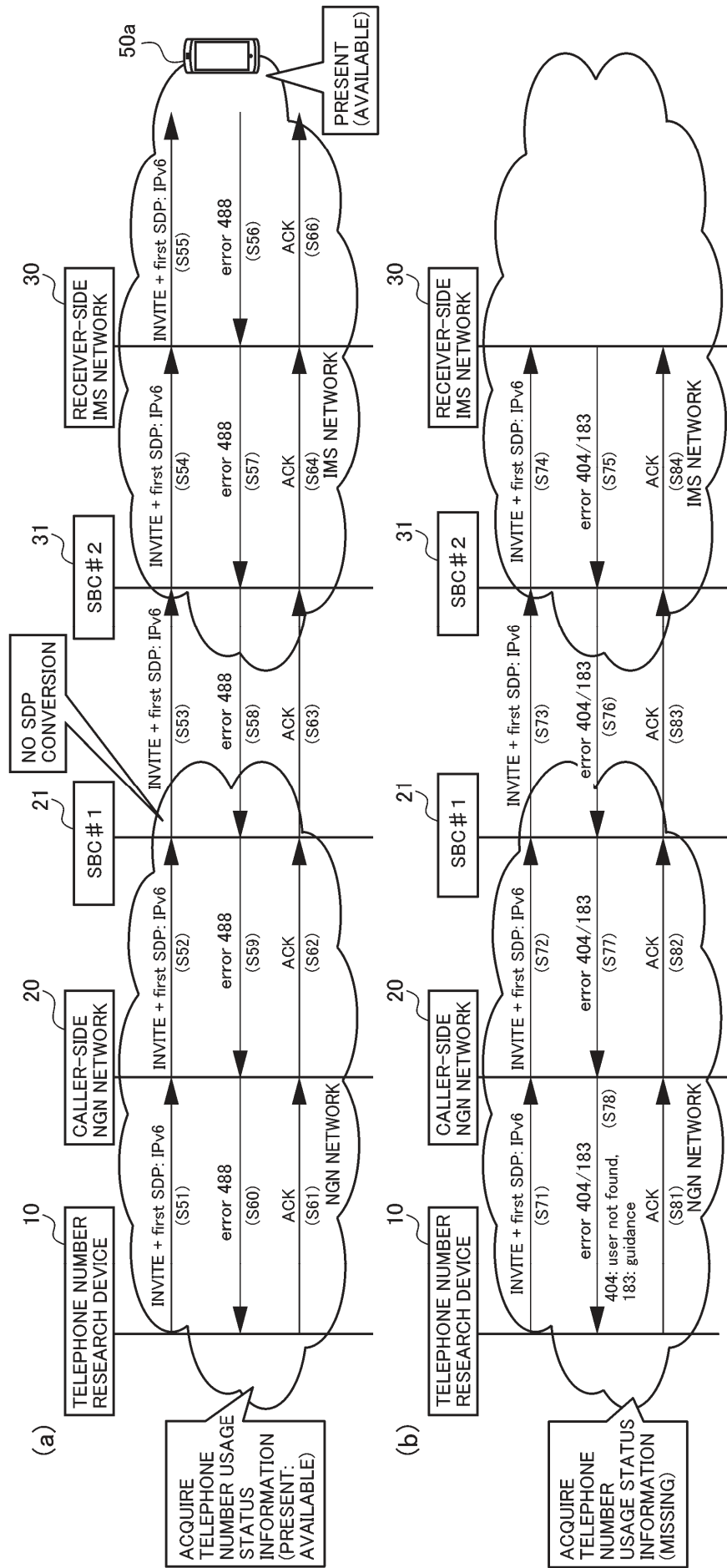


FIG.4

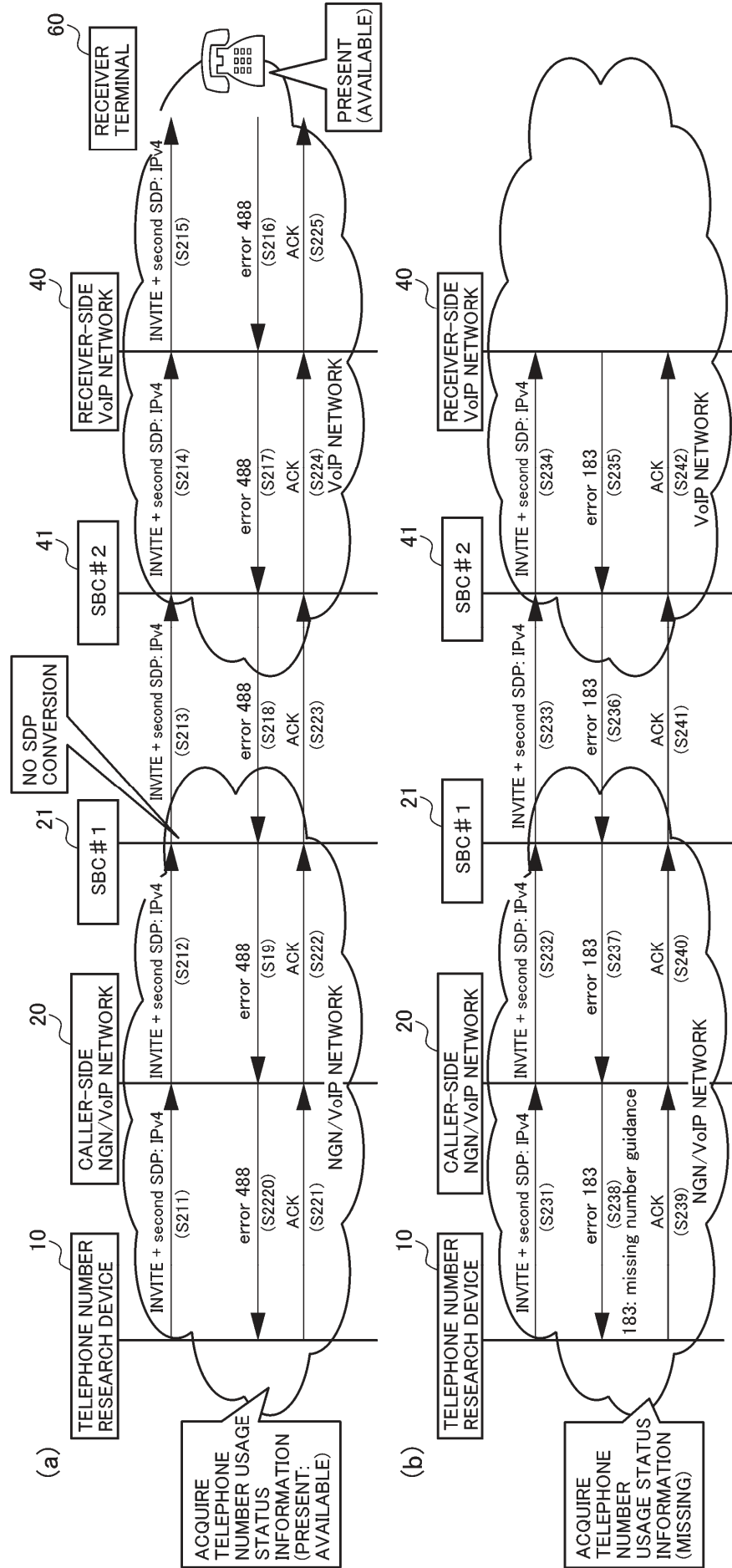


FIG.5

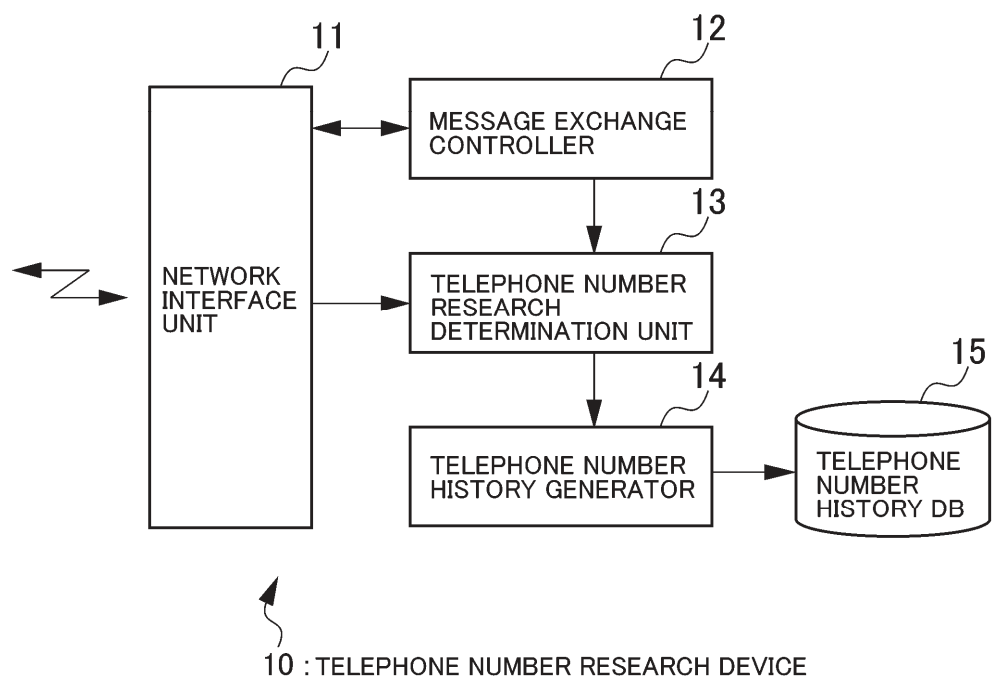
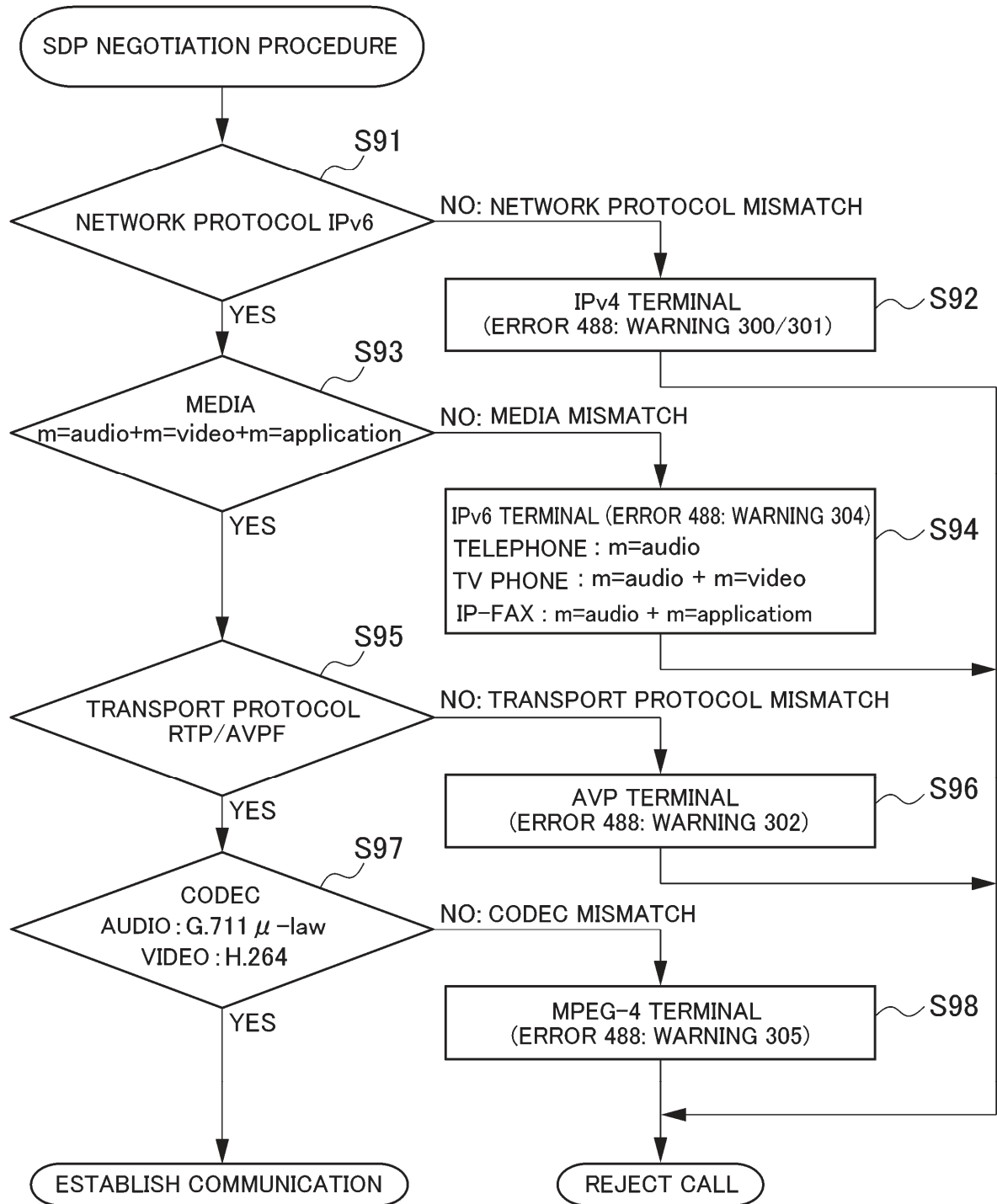
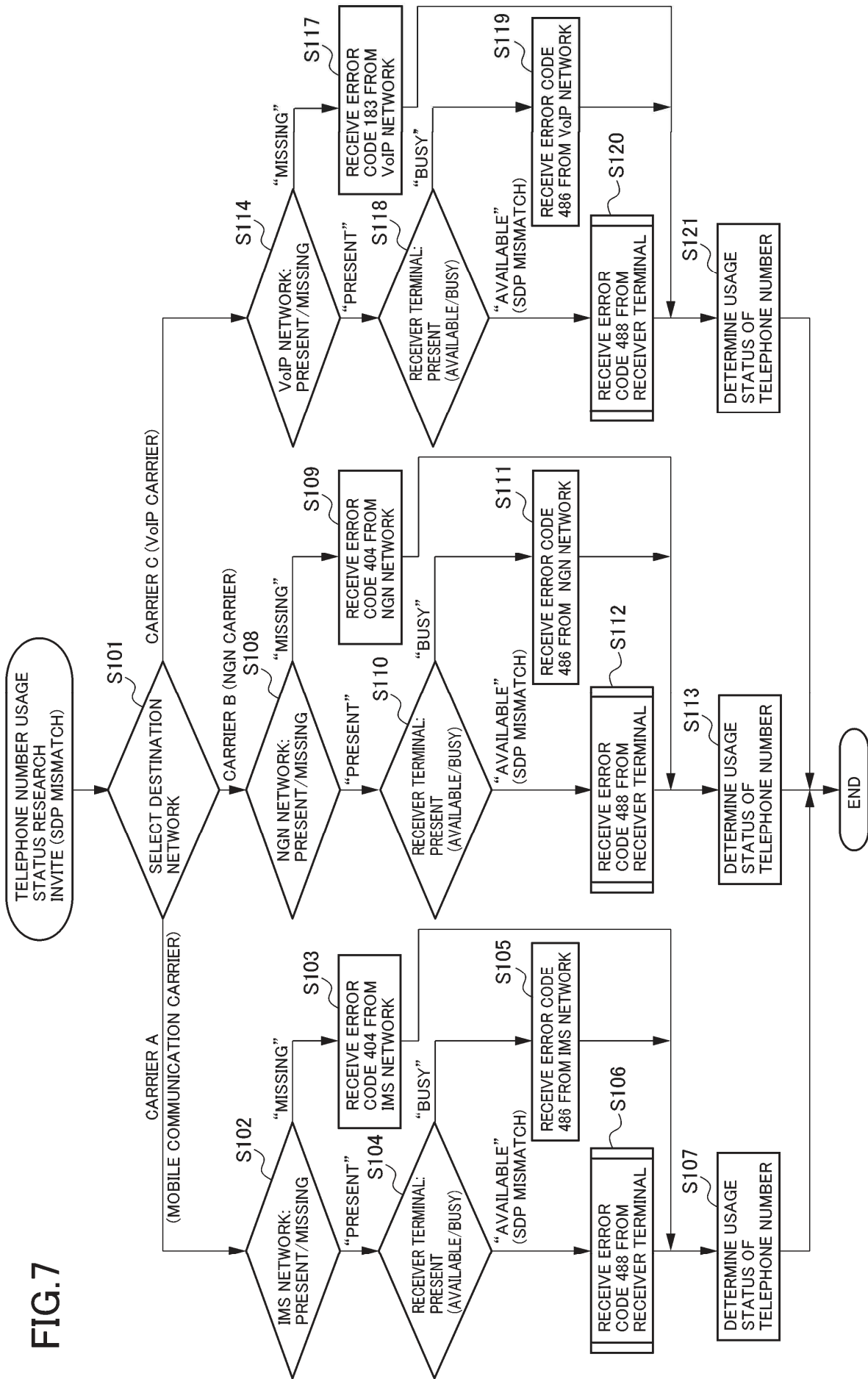


FIG.6





# FIG.8

| TELEPHONE NUMBER HISTORY INFORMATION LAYOUT |                       |            |               |                         |
|---------------------------------------------|-----------------------|------------|---------------|-------------------------|
| TELEPHONE NUMBER                            | NEW SUBSCRIBER NUMBER | ERROR CODE | RESEARCH DATE | OTHER LAYER INFORMATION |
| 03-XXXX-XXXX                                | 03-XXXX-XXXX          | XX         | YYYYMMDD      | XXXX...XXXX             |

NEW/CONTACT TELEPHONE NUMBER

| TELEPHONE NUMBER HISTORY INFORMATION (EXAMPLE) |              |      |                |      |       |
|------------------------------------------------|--------------|------|----------------|------|-------|
| 03-3359-0906                                   | 00-0000-0000 | IMS  | 488(VVALID)    | 1999 | 02 15 |
| 03-3359-0906                                   | 03-4355-8010 | IMS  | 410(CHANGED)   | 1999 | 03 10 |
| 03-3359-0906                                   | 00-0000-0000 | VoIP | 404(MISSING)   | 1999 | 04 18 |
| 03-3359-0906                                   | 00-0000-0000 | IMS  | 488(VVALID)    | 1999 | 05 20 |
| 03-3359-0906                                   | 00-0000-0000 | IMS  | 488(VVALID)    | 1999 | 06 15 |
| 03-3359-0906                                   | 00-0000-0000 | VoIP | 480(CANCELLED) | 1999 | 07 18 |
| 03-3359-0906                                   | 03-3334-1234 | VoIP | 410(CHANGED)   | 1999 | 08 19 |
| 03-3359-0906                                   | 00-0000-0000 | IMS  | 404(MISSING)   | 1999 | 08 21 |

# FIG.9

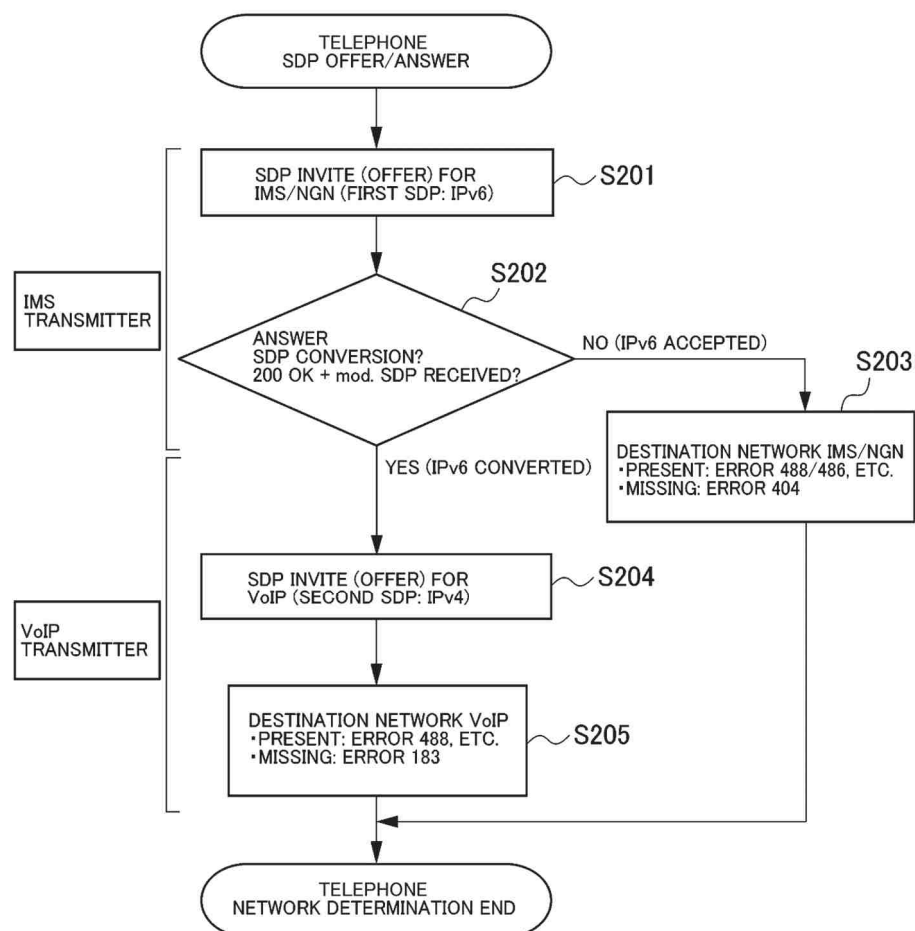


FIG.10

