

FIG. 1

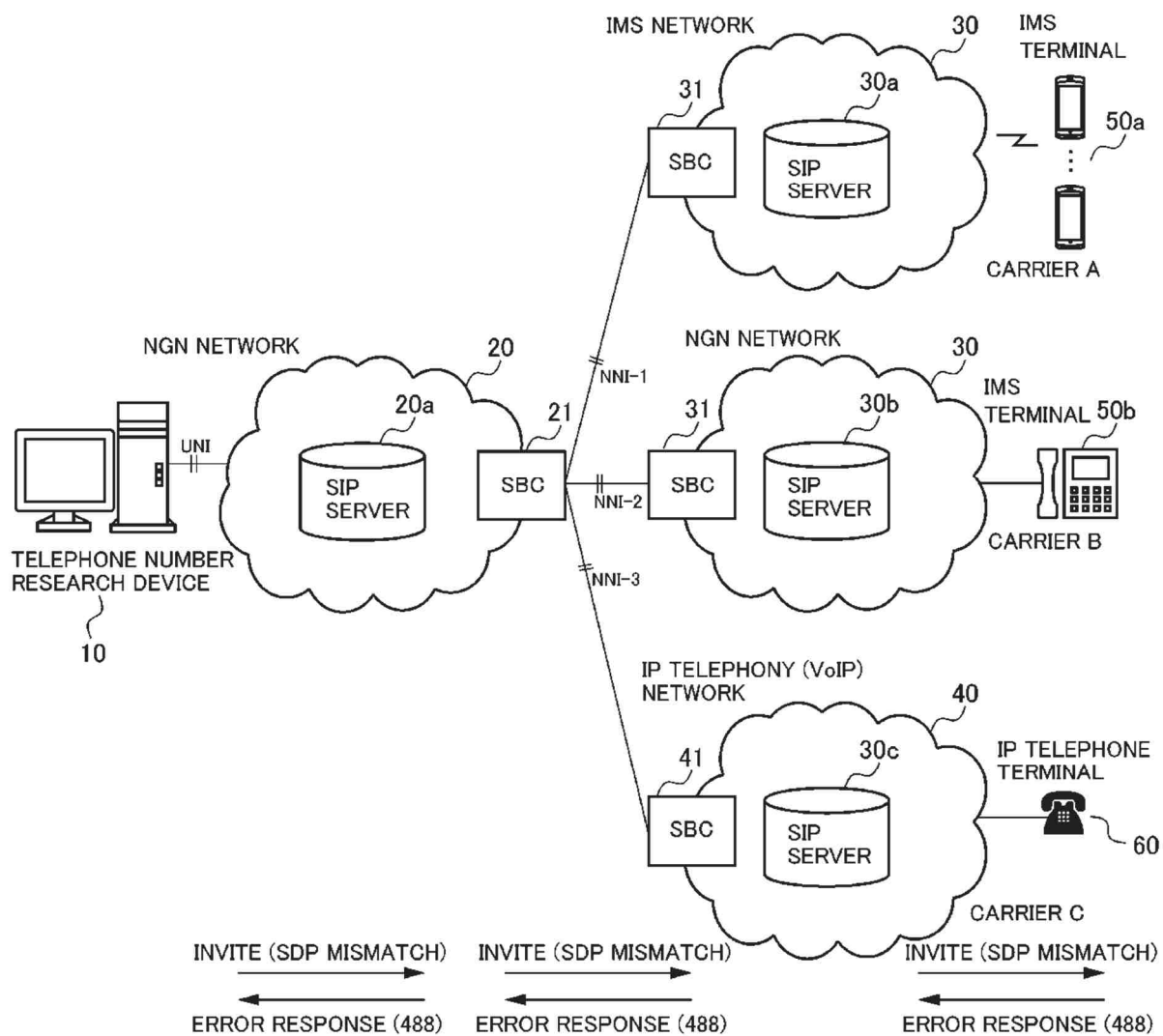


FIG. 2

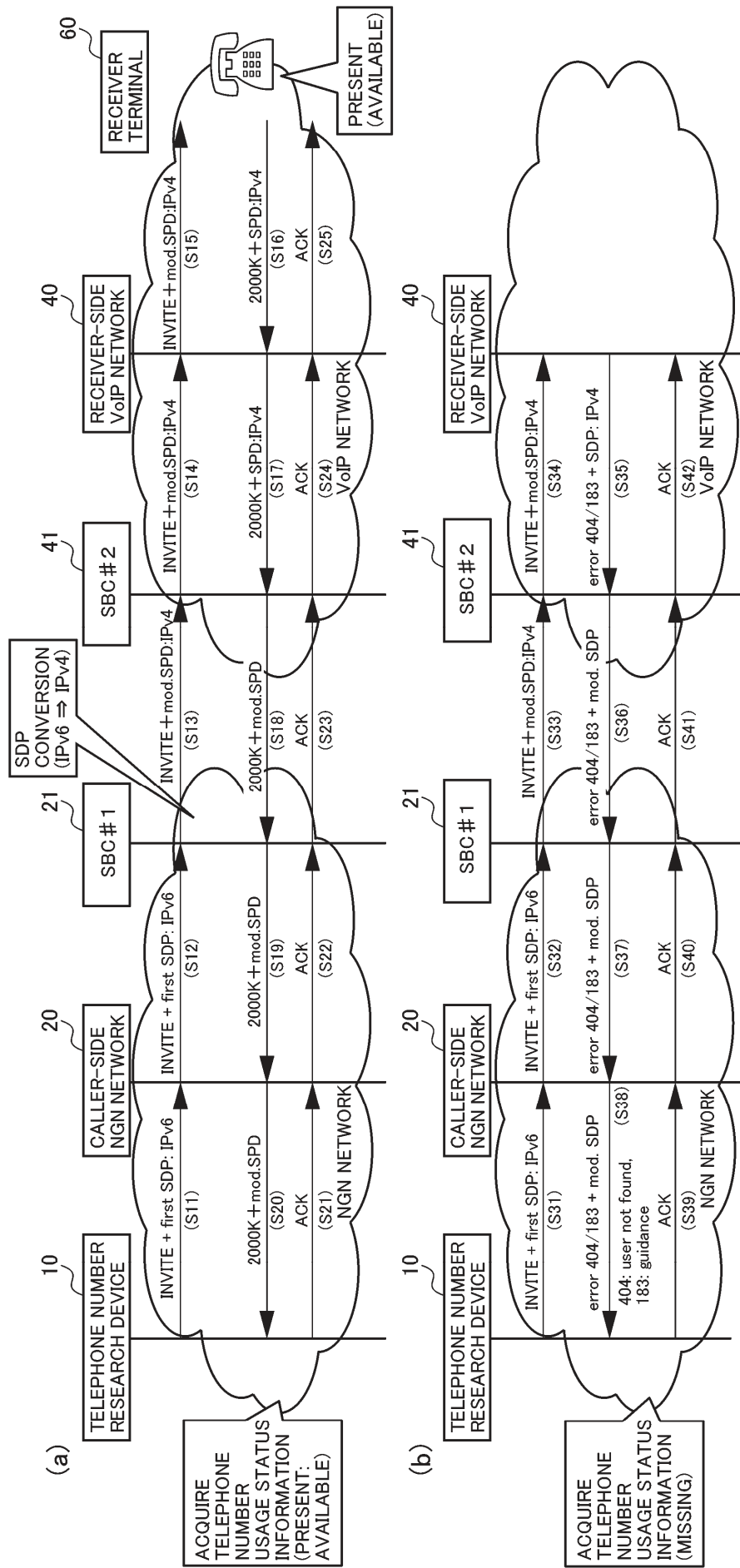


FIG.3

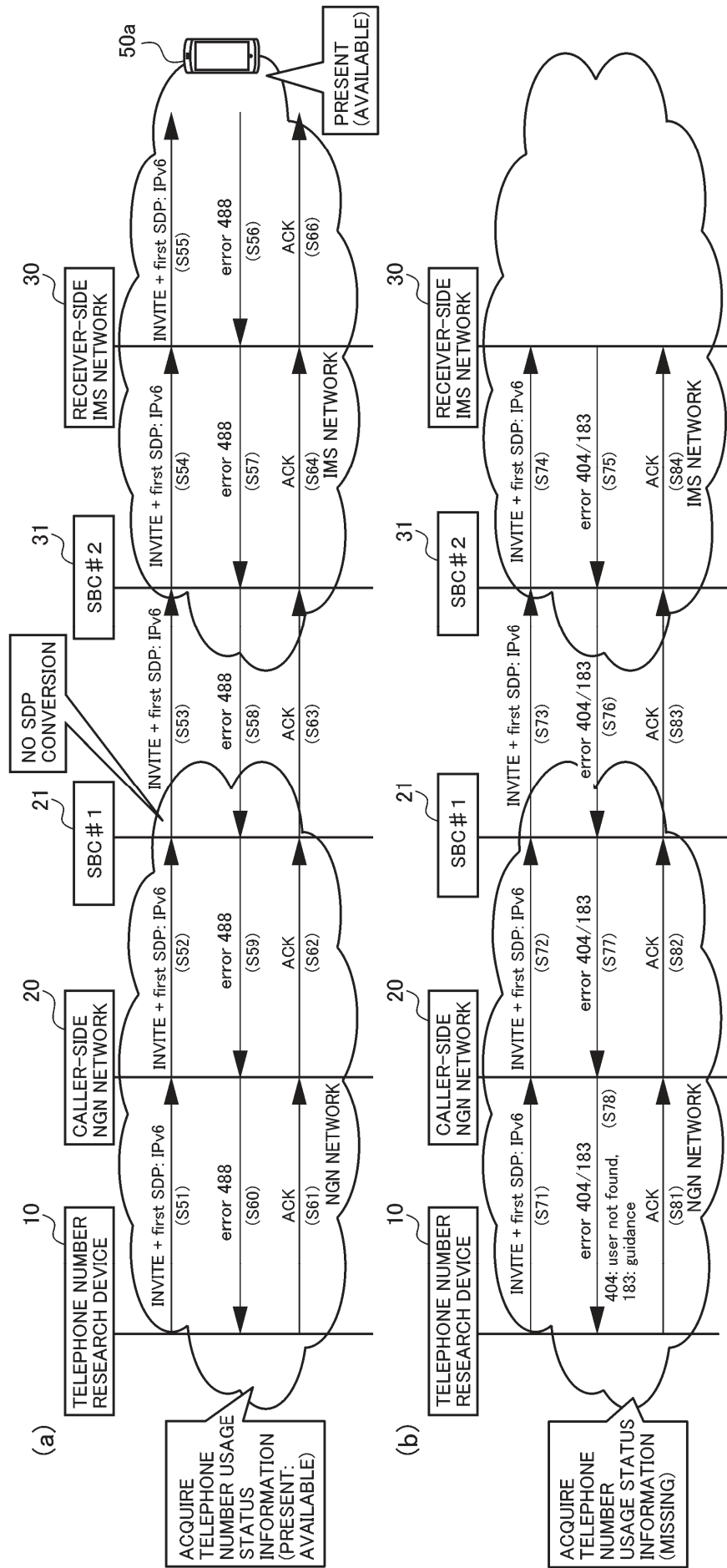


FIG.4

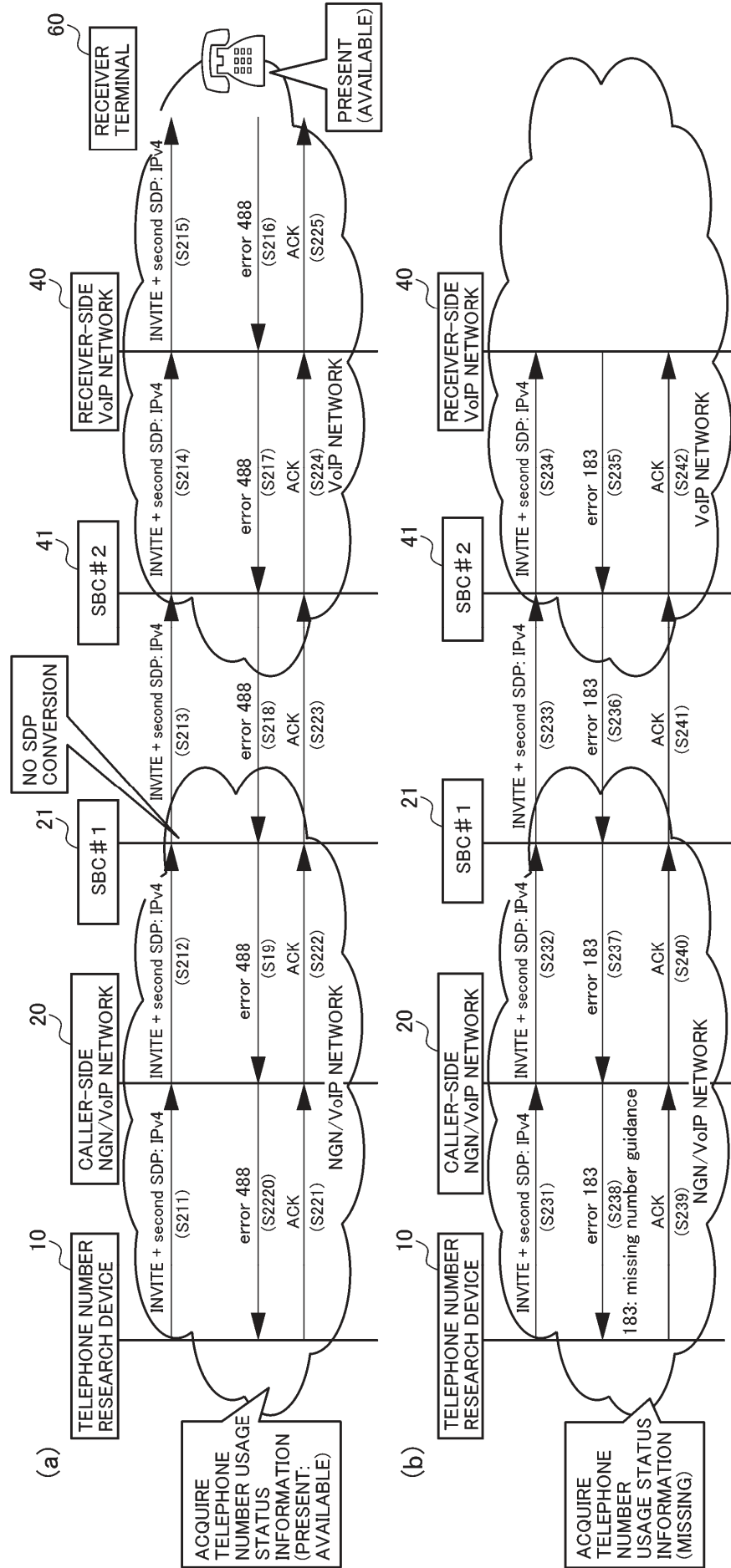


FIG.5

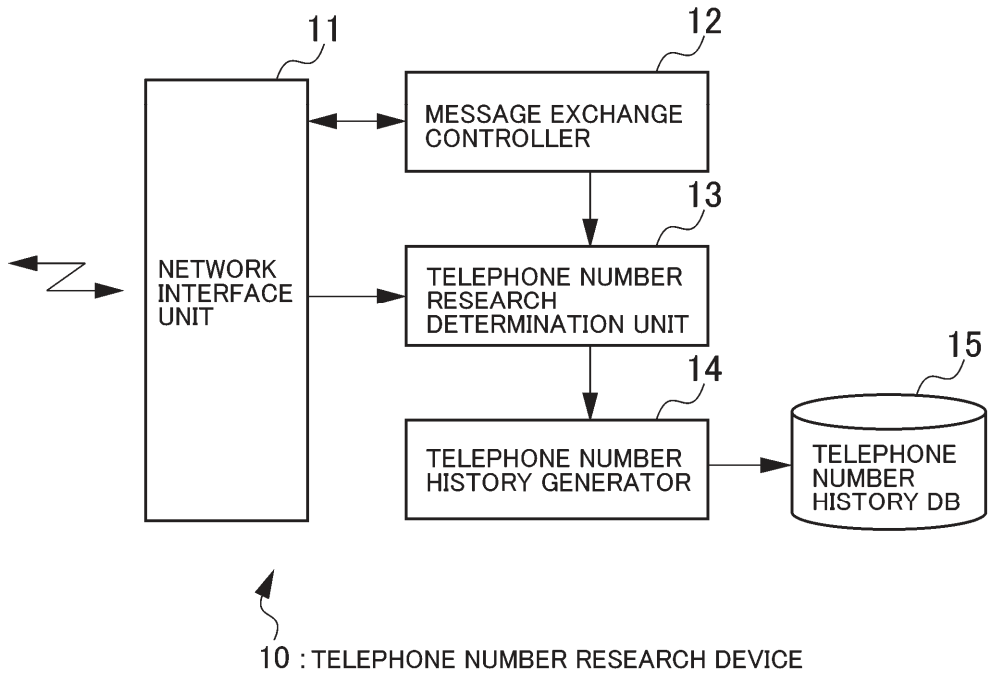
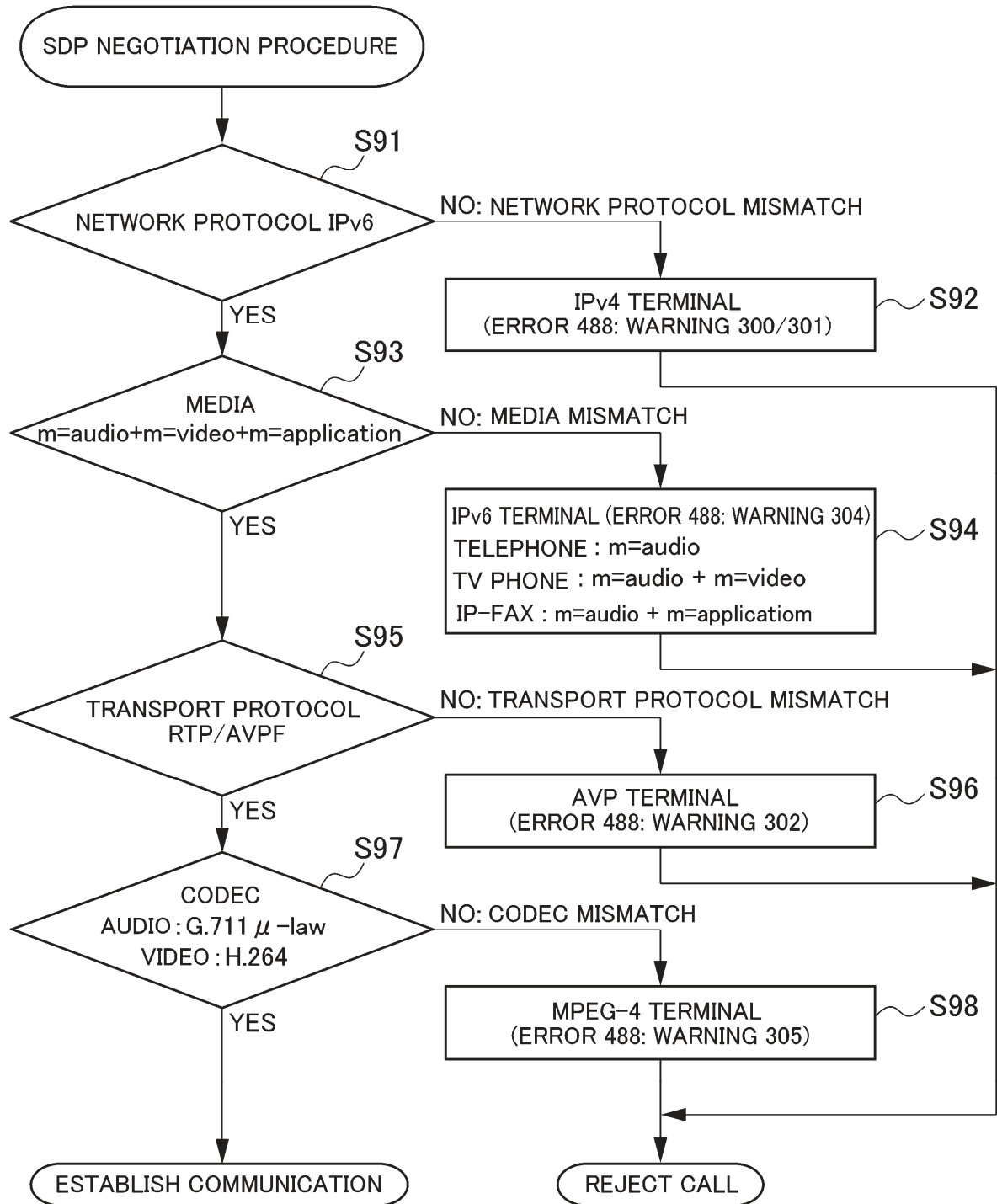


FIG.6



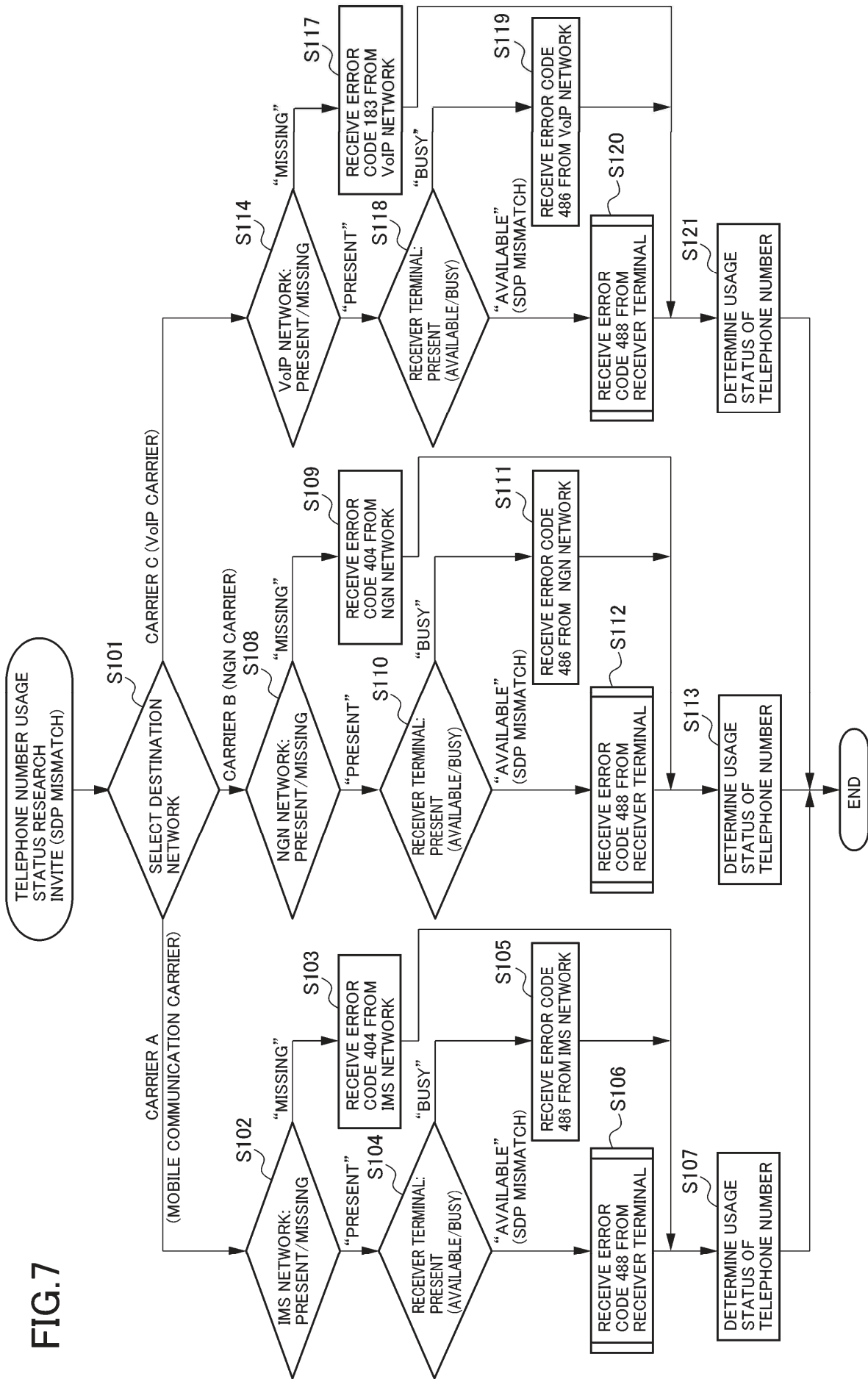


FIG.8

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

~ 15

FIG.9

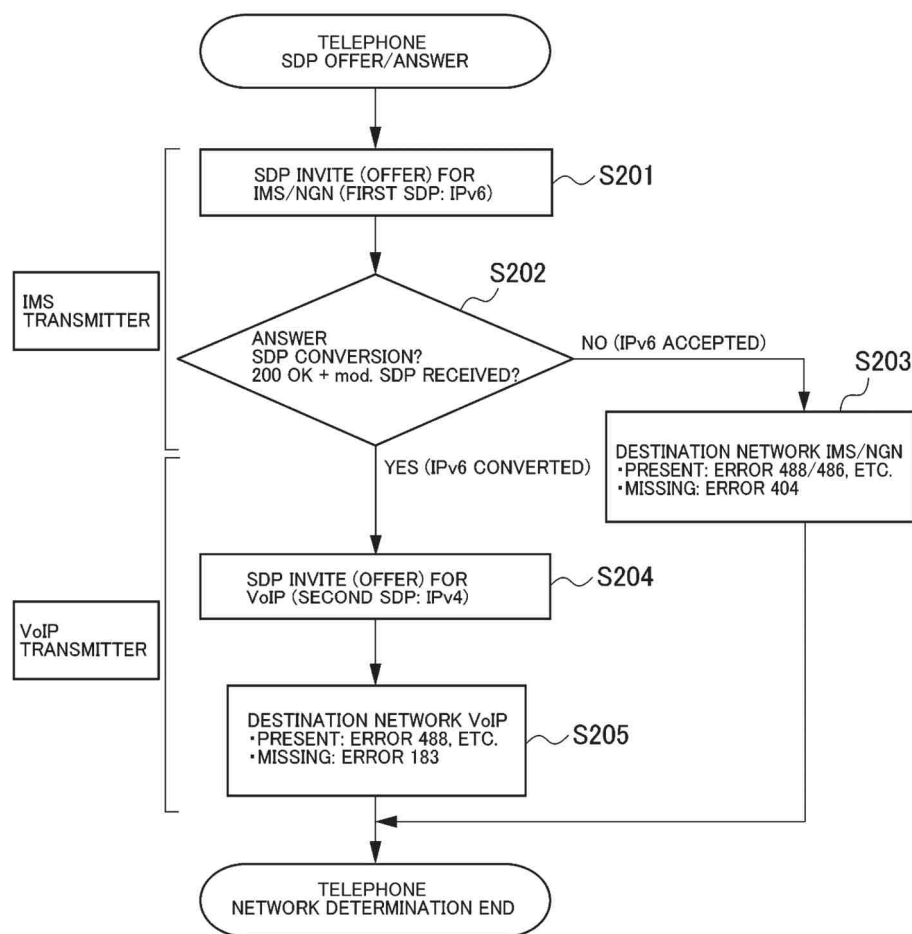


FIG.10

