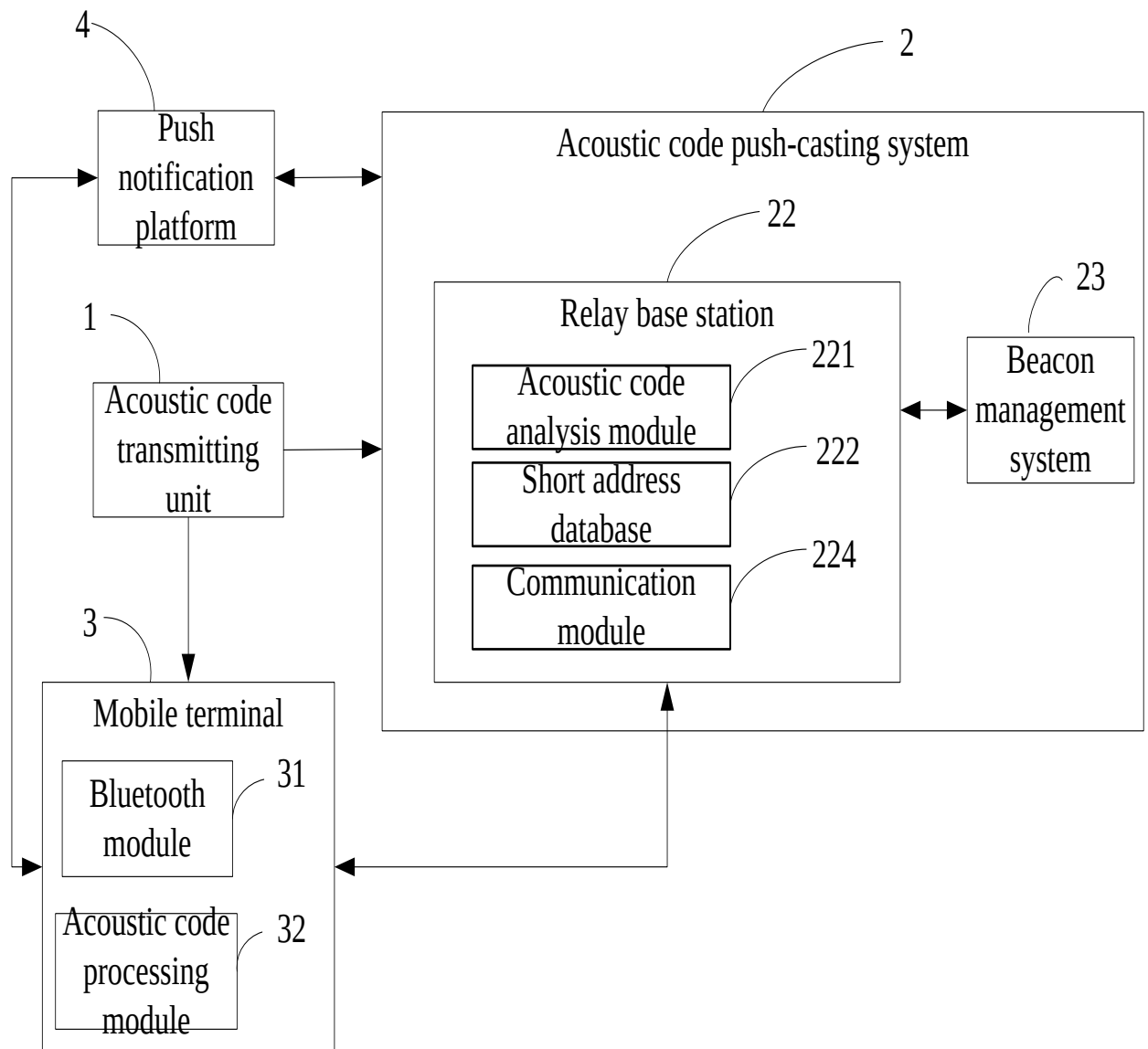


**FIG. 1**

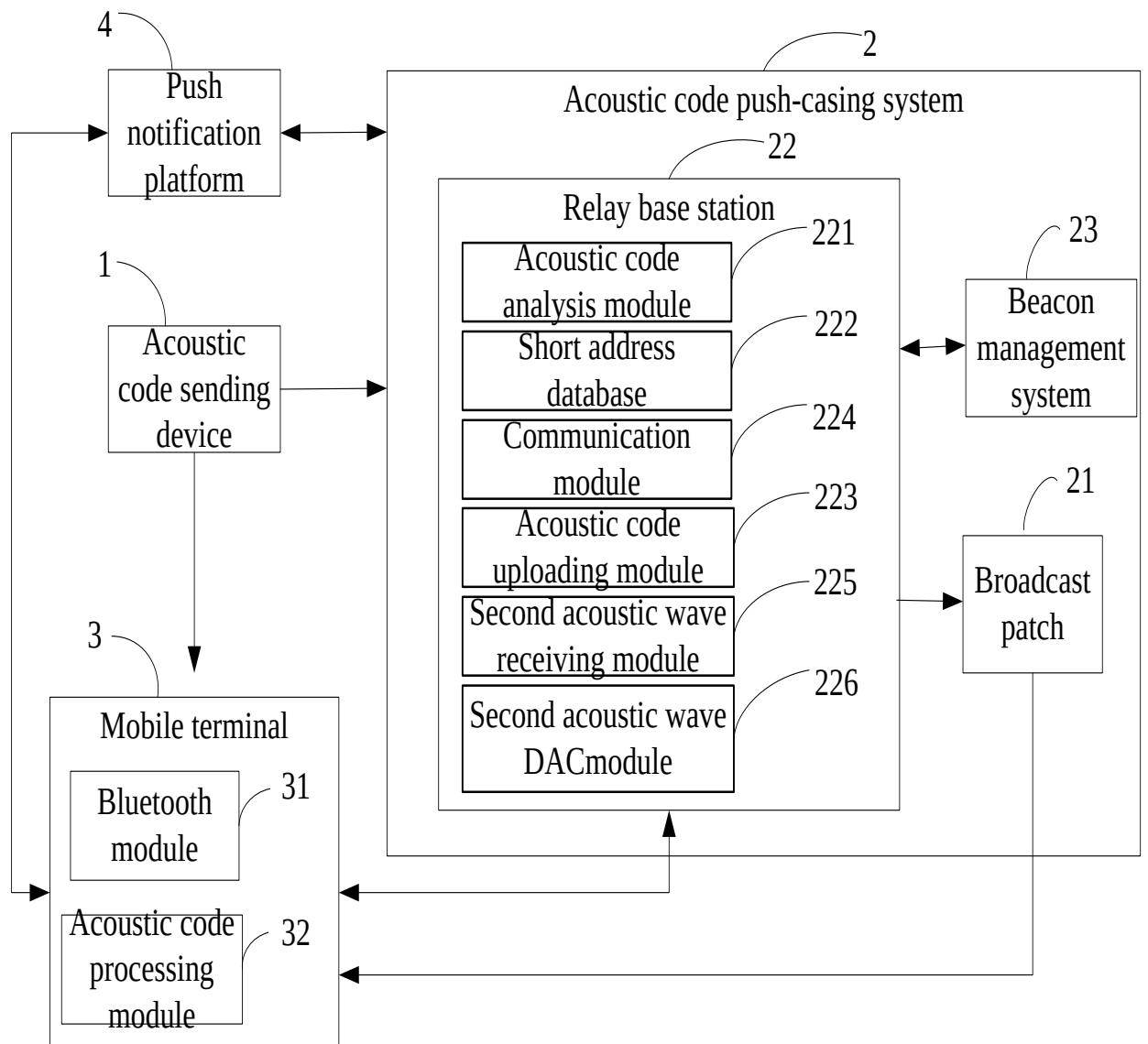


FIG. 2

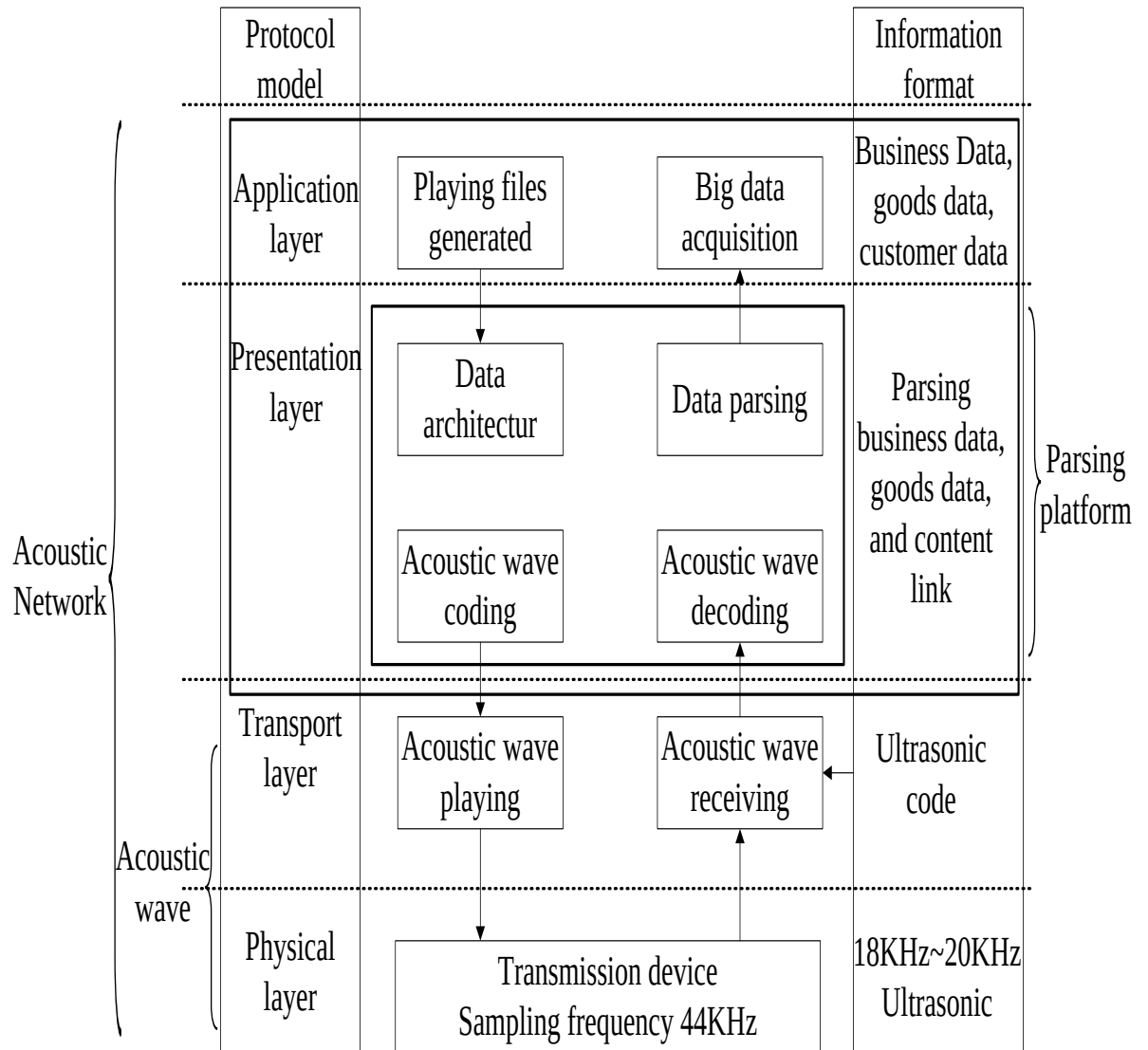


FIG. 3

Information head 1 Byte	Valid date bits (Ultrasonic code) 4 Bytes	CRC check bits 2 Bytes
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FIG. 4

	Frequency	Mapping relationship between 0 and 1
Channel A	18.0K~18.2K	0:18.0K 1:18.2K
Channel B	18.5K~19.2K	0:18.5K 1:18.7K
Channel C	19.0K~19.2K	0:19.0K 1:19.2K
Channel D	19.5K~19.7K	0:19.5K 1:19.7K

FIG. 5

Beacon information format

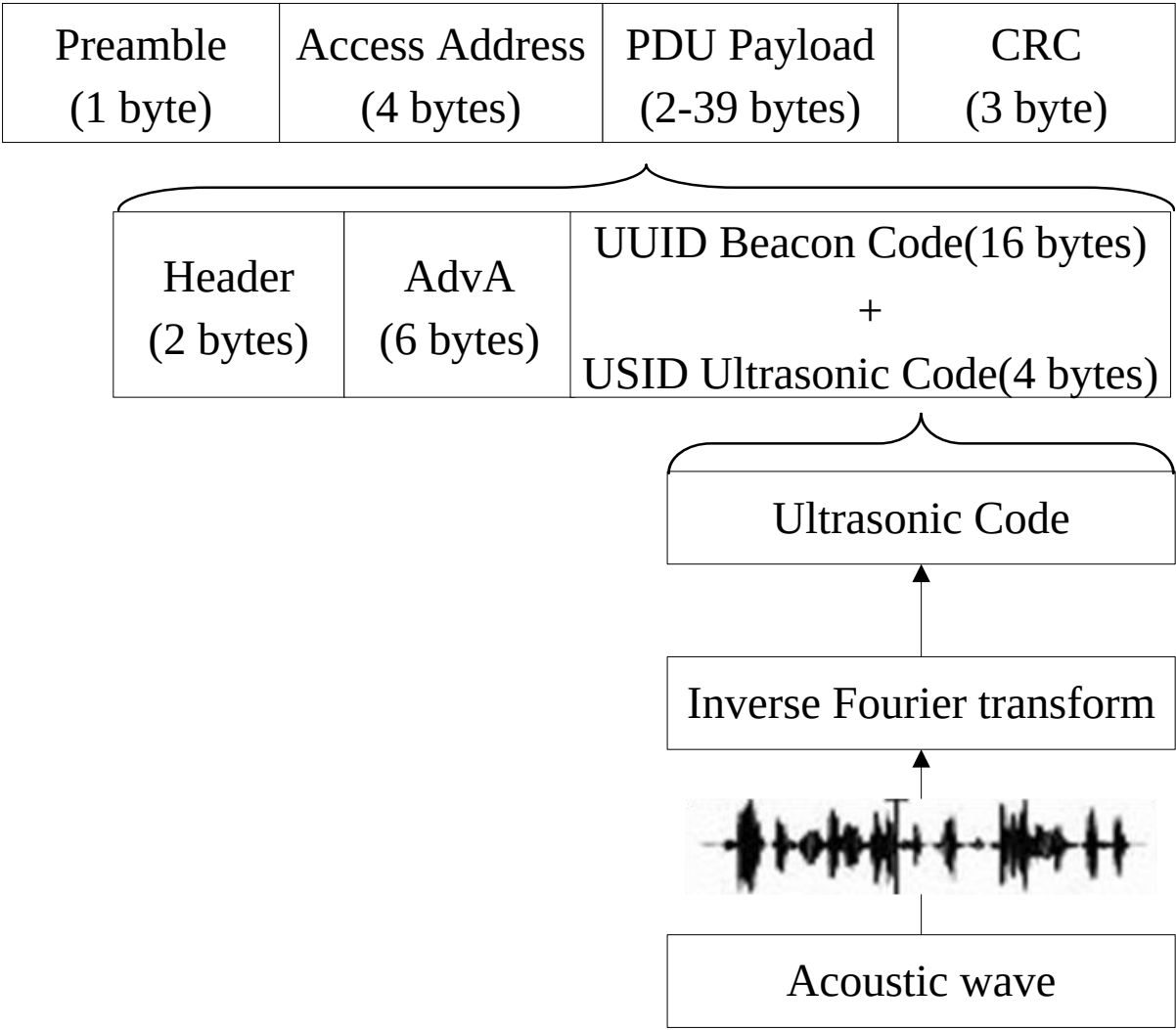


FIG. 6

	Code format for information transmission in Acoustic Internet of things											Protocol model
Information push-casting service platform	USID	SUA	MT	MID	PT	PID	MN	GL	CID	CS	TS	Application layer
Beacon relay base station	USID	SUA										Presentation layer
Acoustic wave/Beacon transmission	USIA	SUA										Transport layer
Playing hardware	Video/Audio playing hardware 18K~20K Ultrasonic											Physical layer

FIG. 7

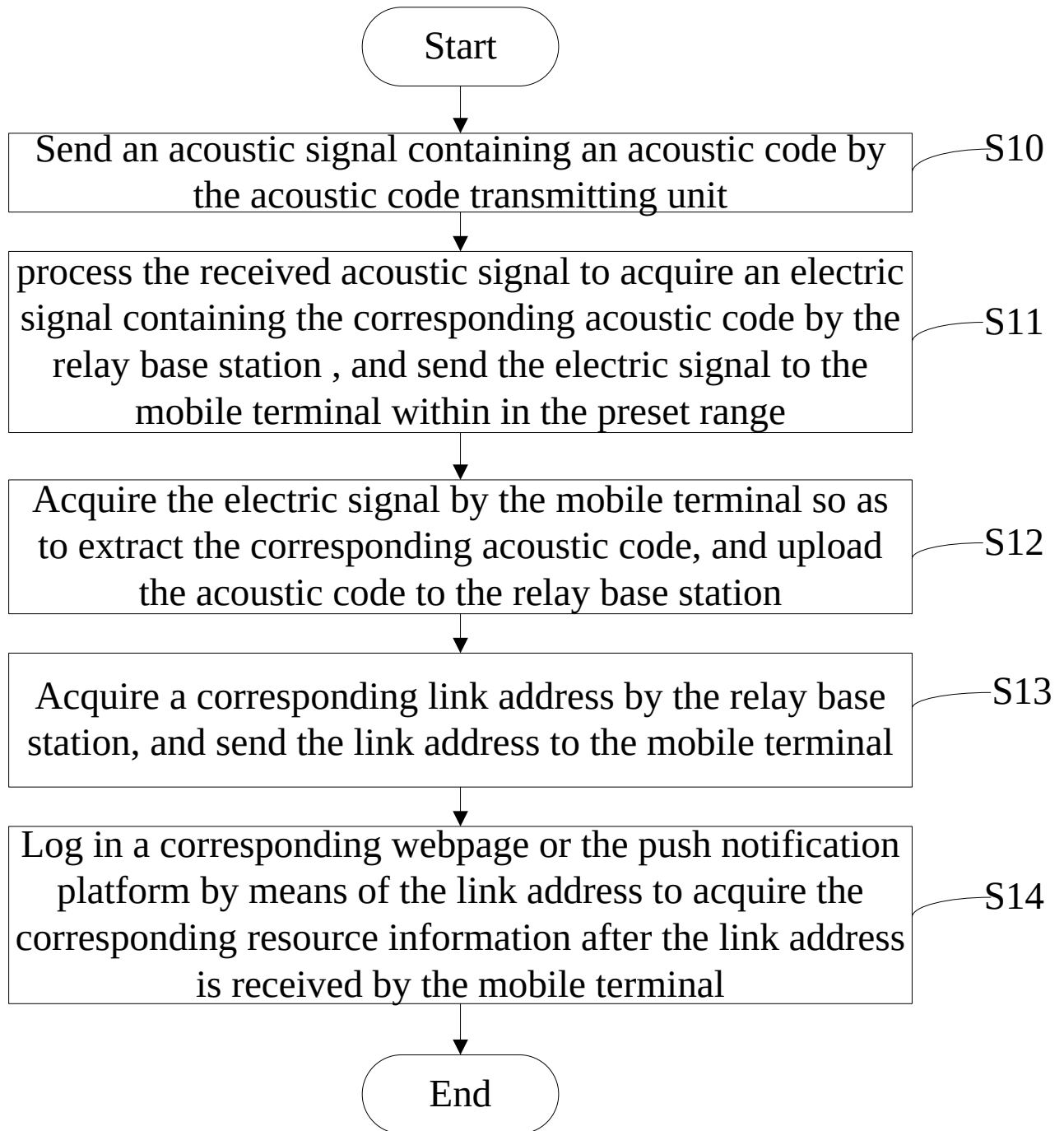


FIG. 8

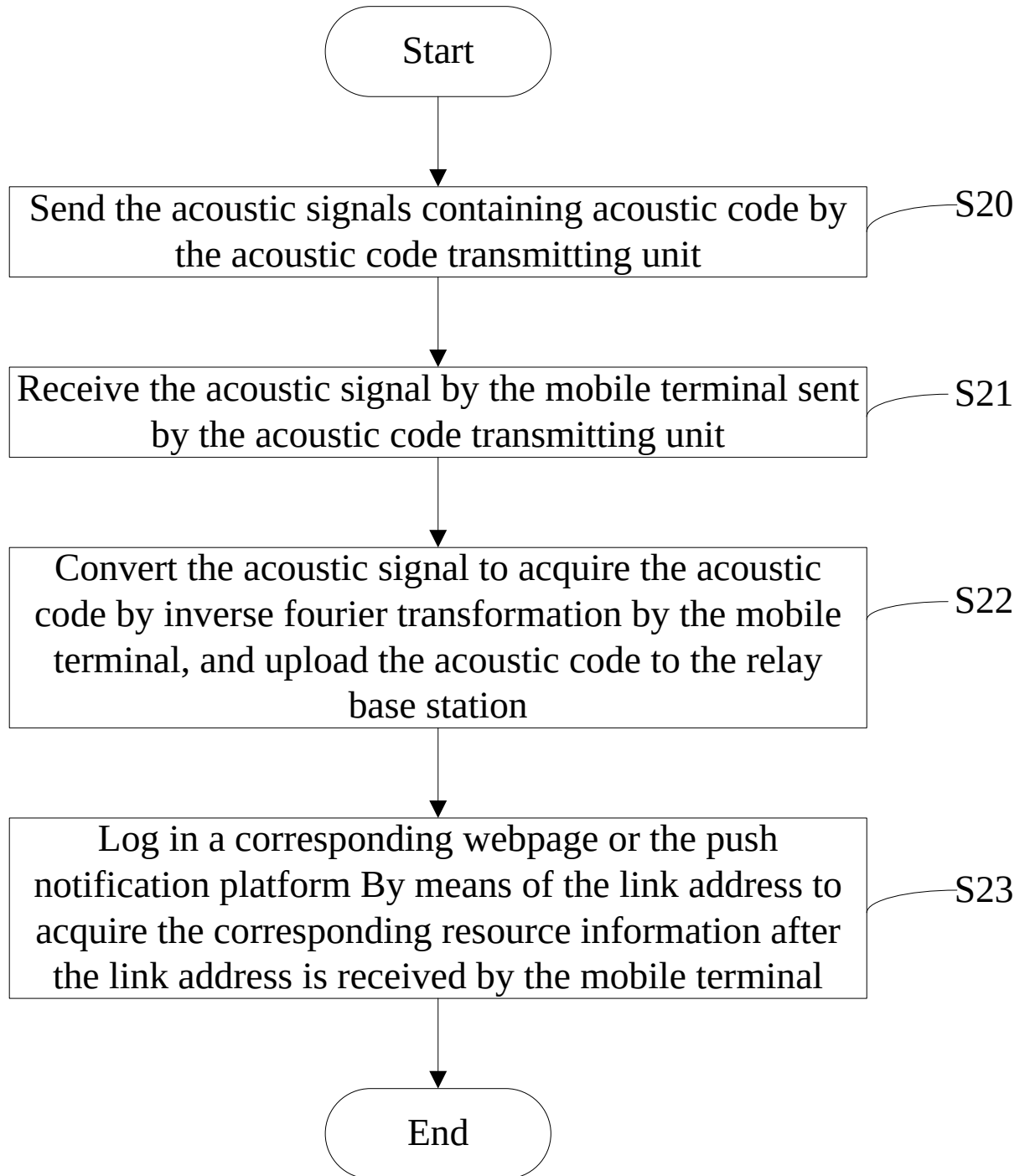


FIG. 9

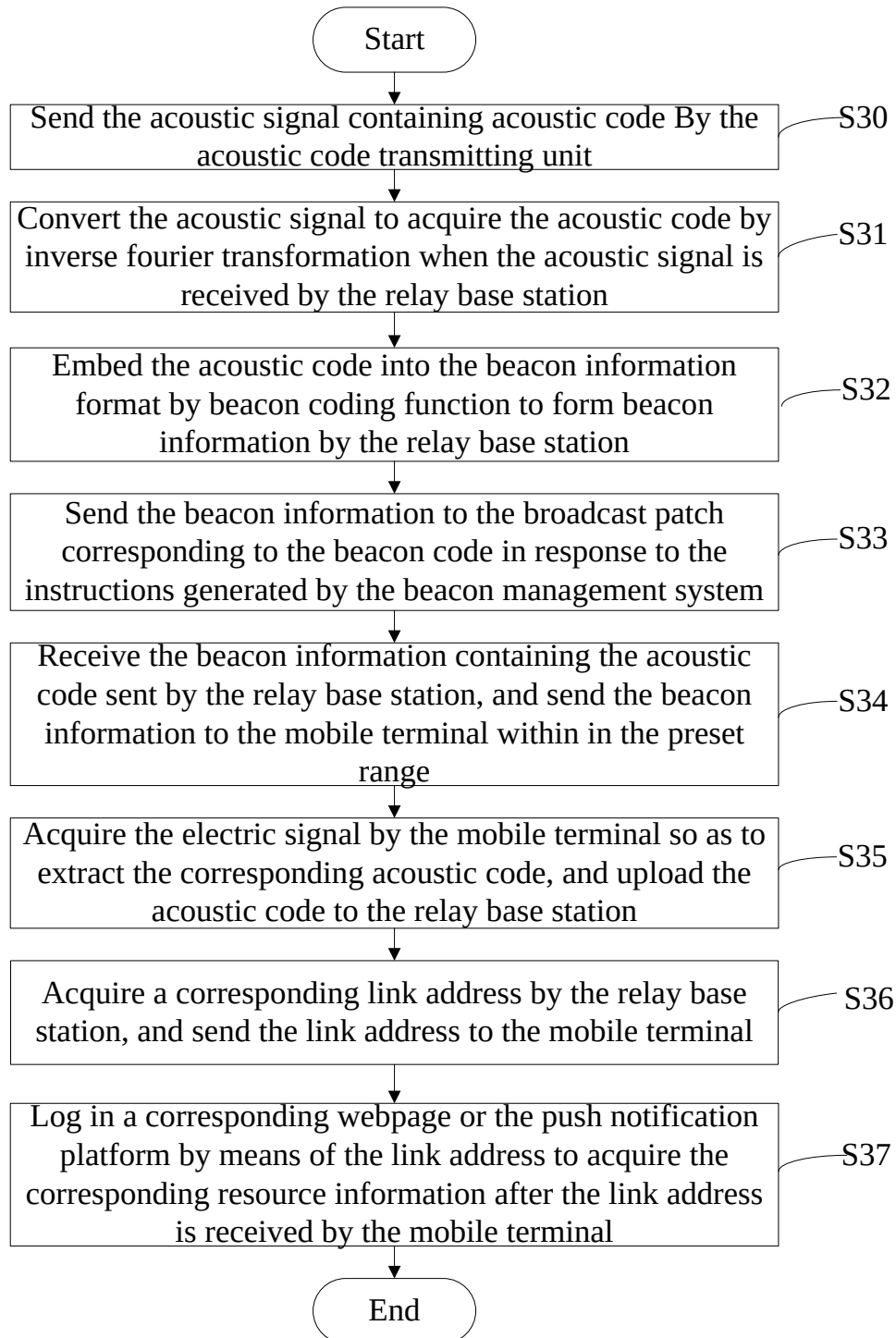


FIG. 10

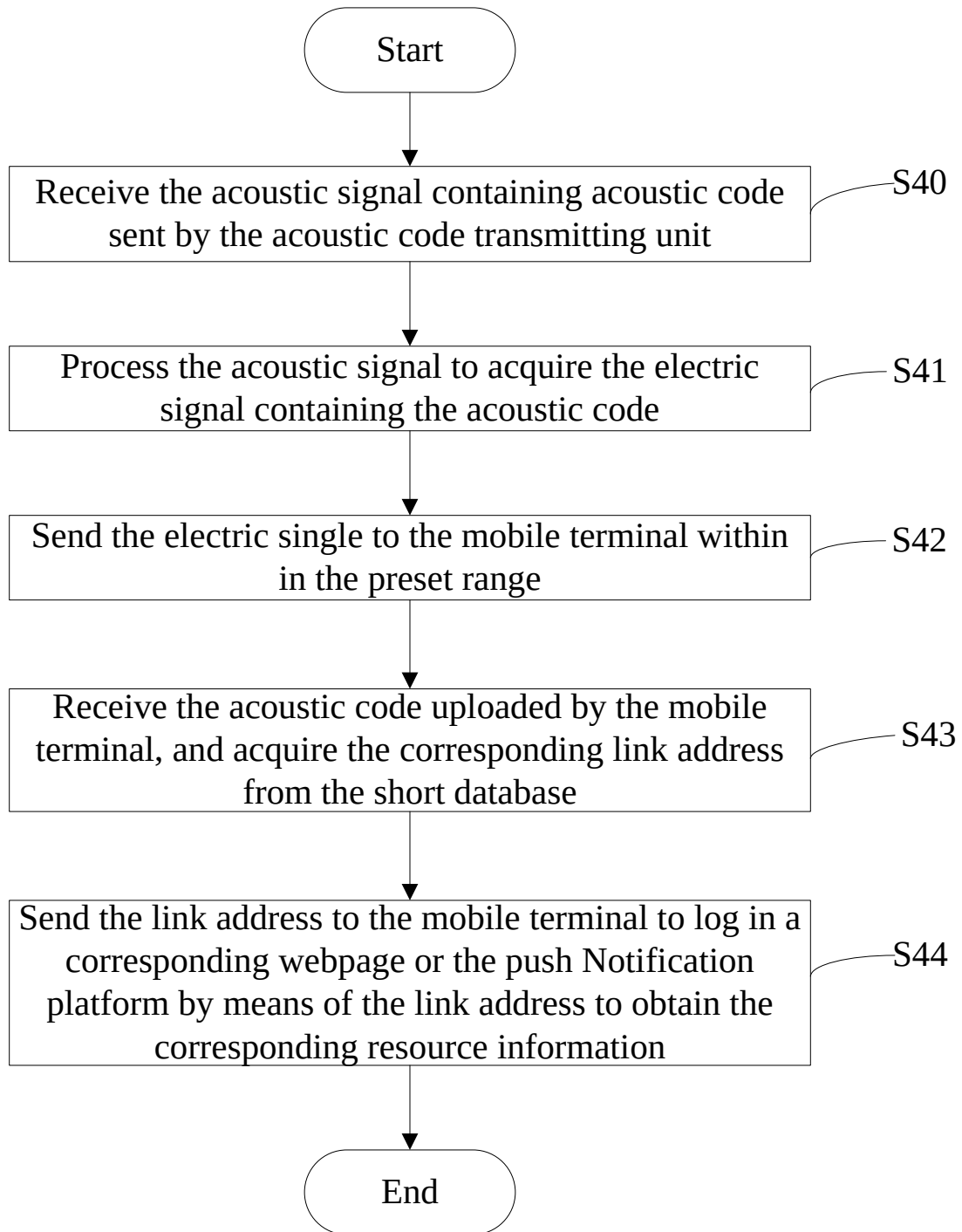


FIG. 11

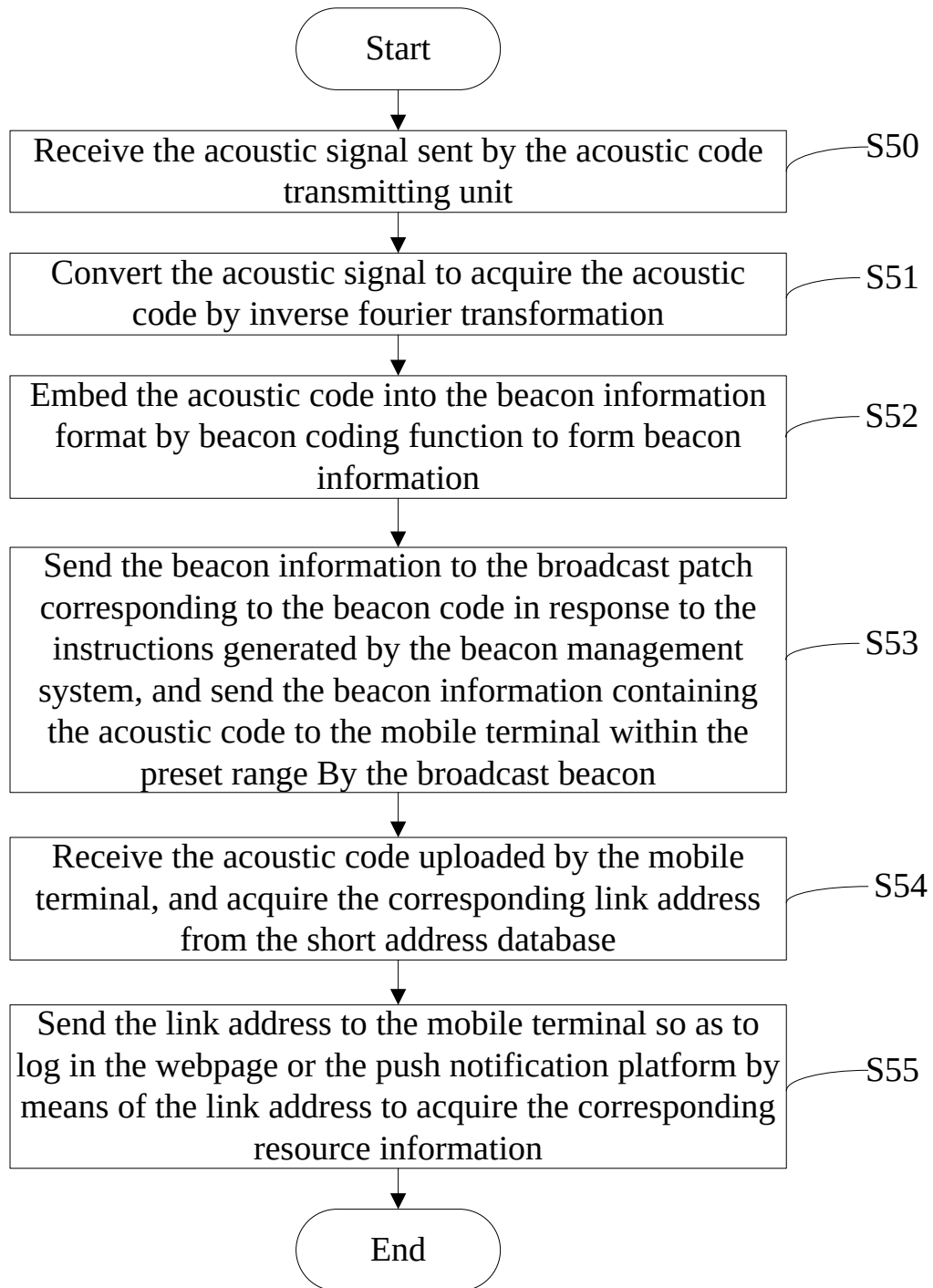


FIG. 12