

FIG.1A

APPARATUS CONSTRUCTION AND EXAMPLE OF ATTACHMENT

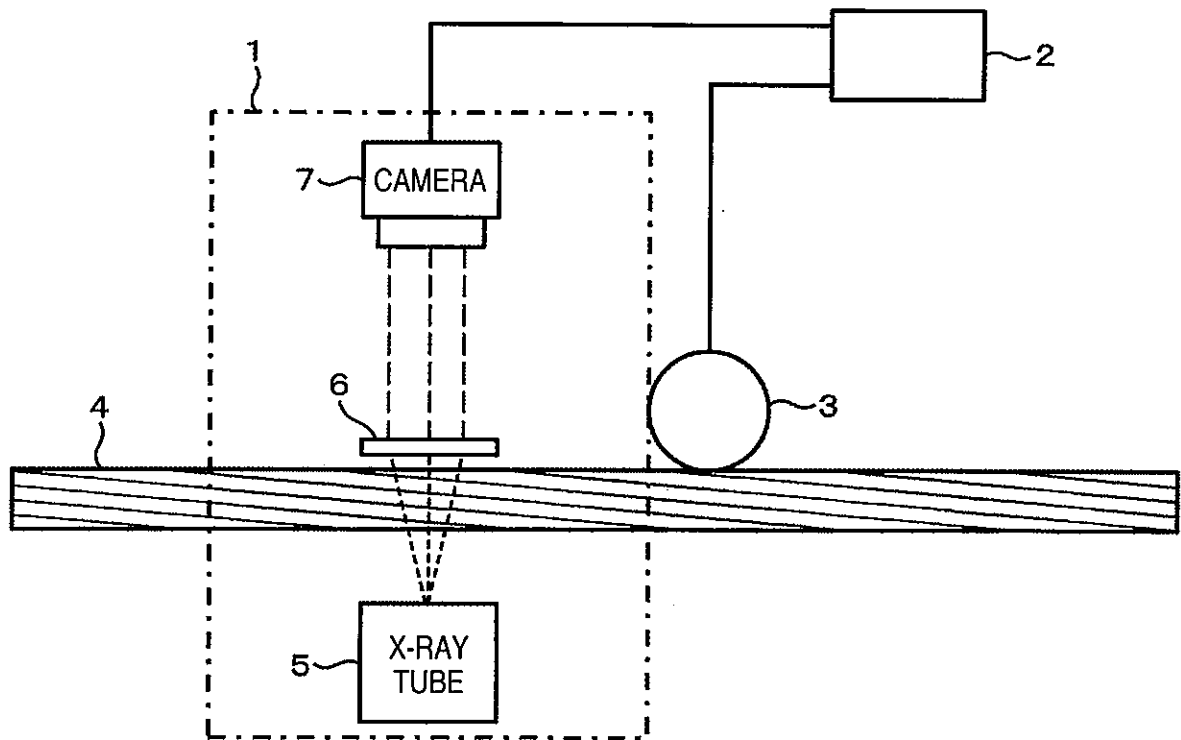


FIG.1B

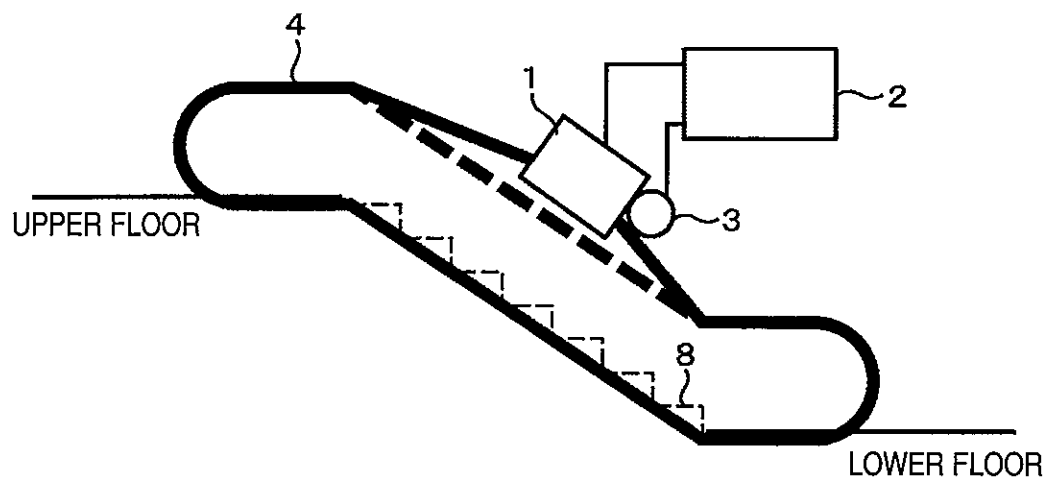


FIG.2

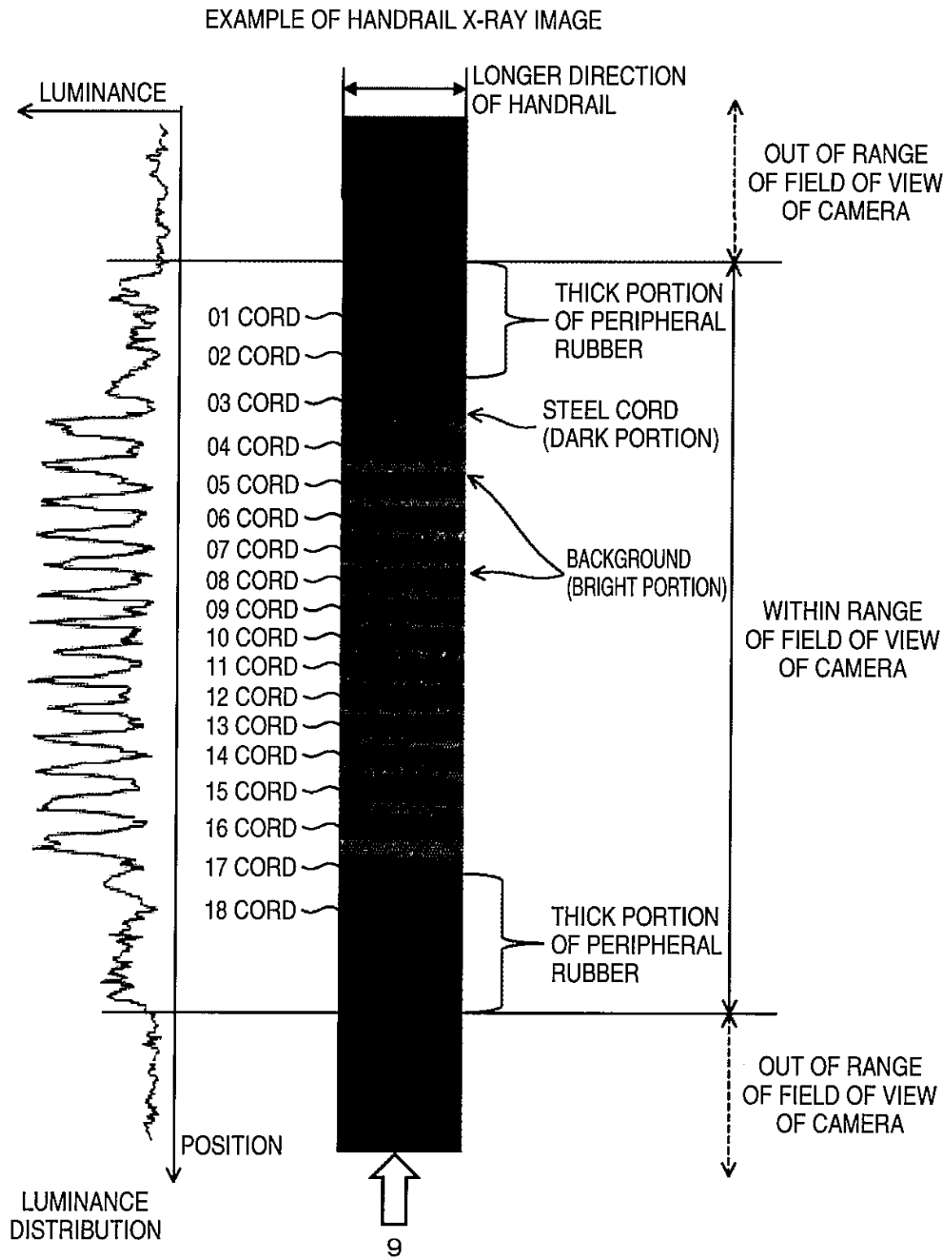


FIG.3

IMAGE PROCESSING PART OF X-RAY INSPECTION APPARATUS

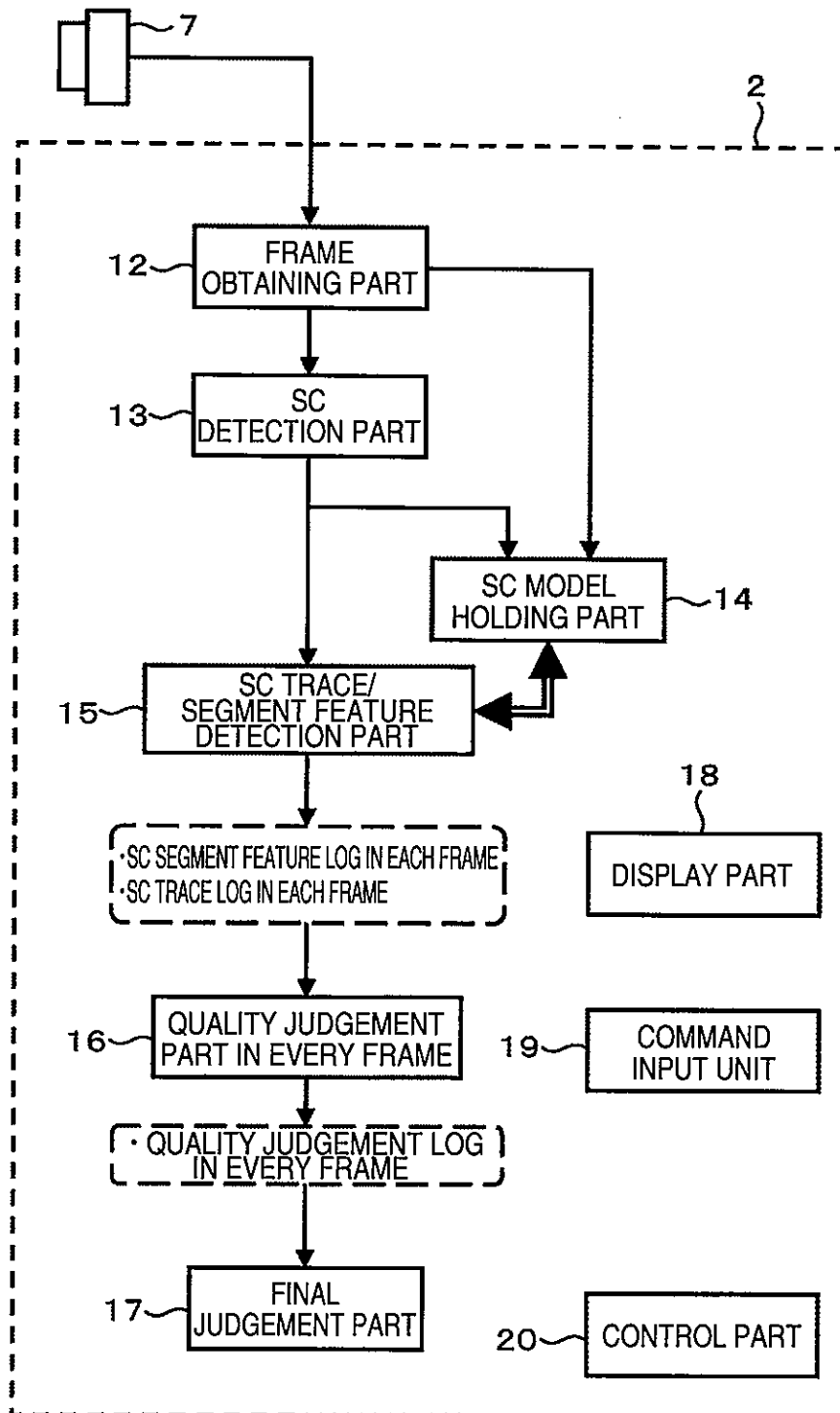


FIG.4

1ST EXAMPLE OF PROCESSINGS OF SC DETECTION PART

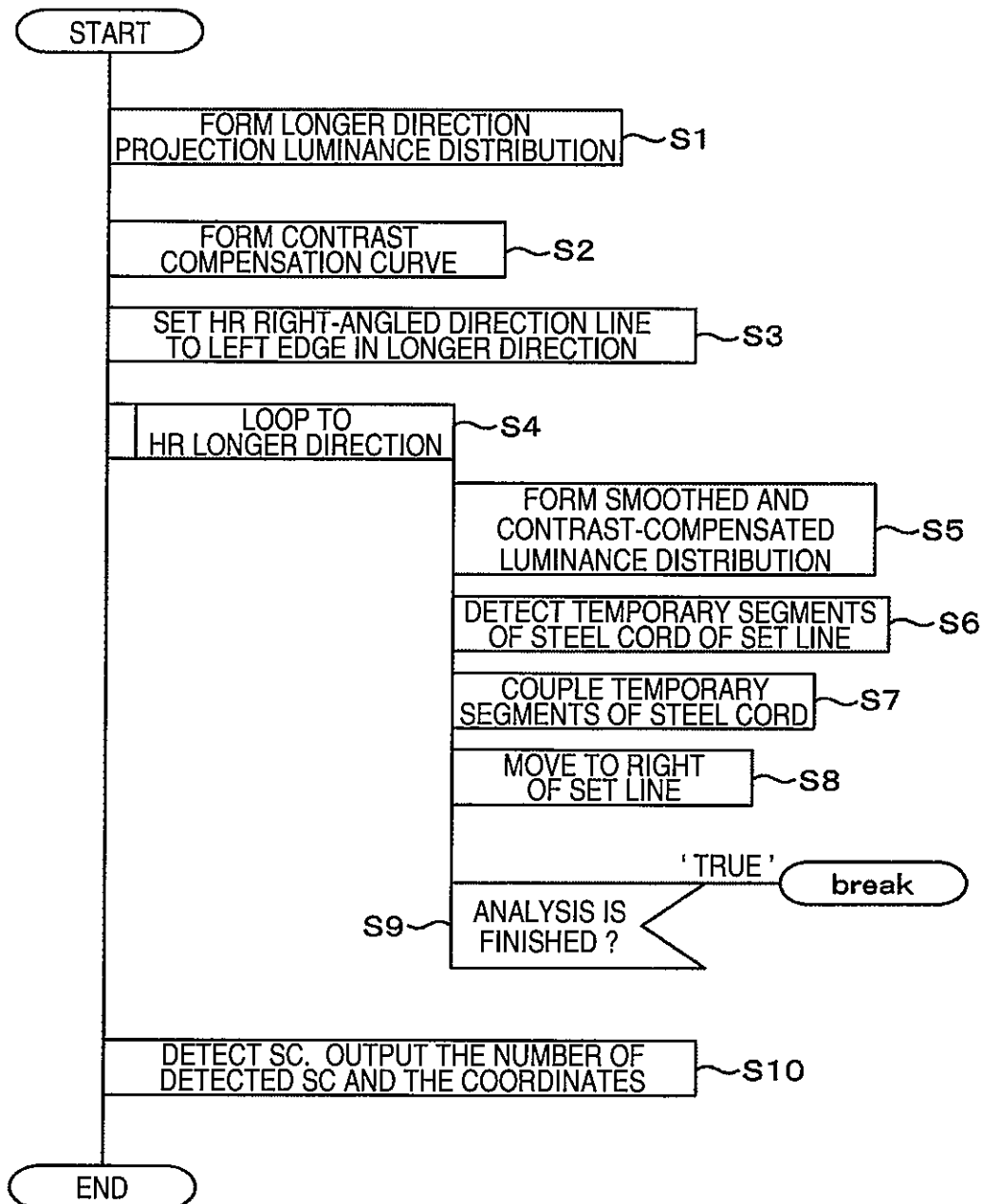


FIG.5

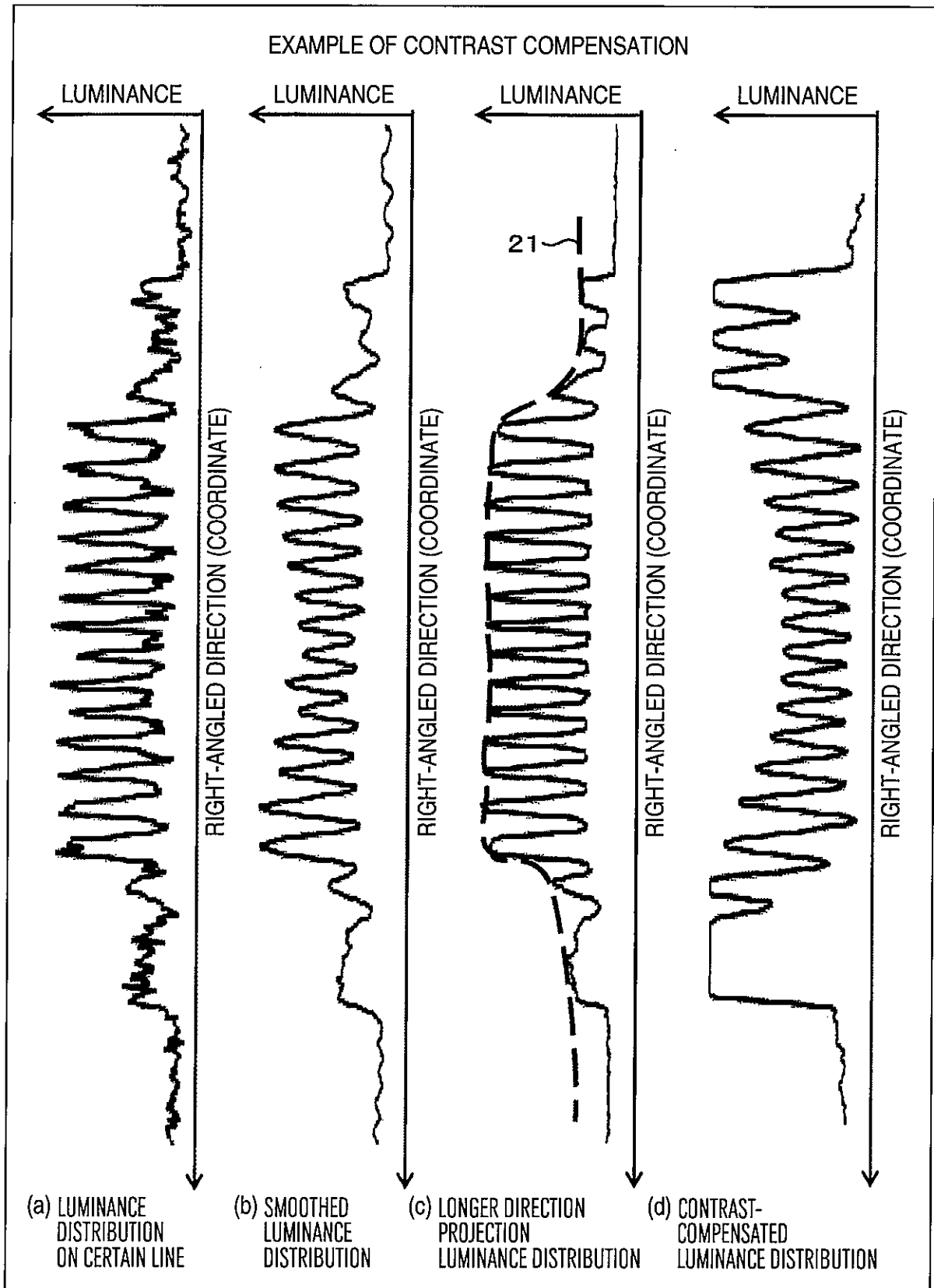


FIG.6

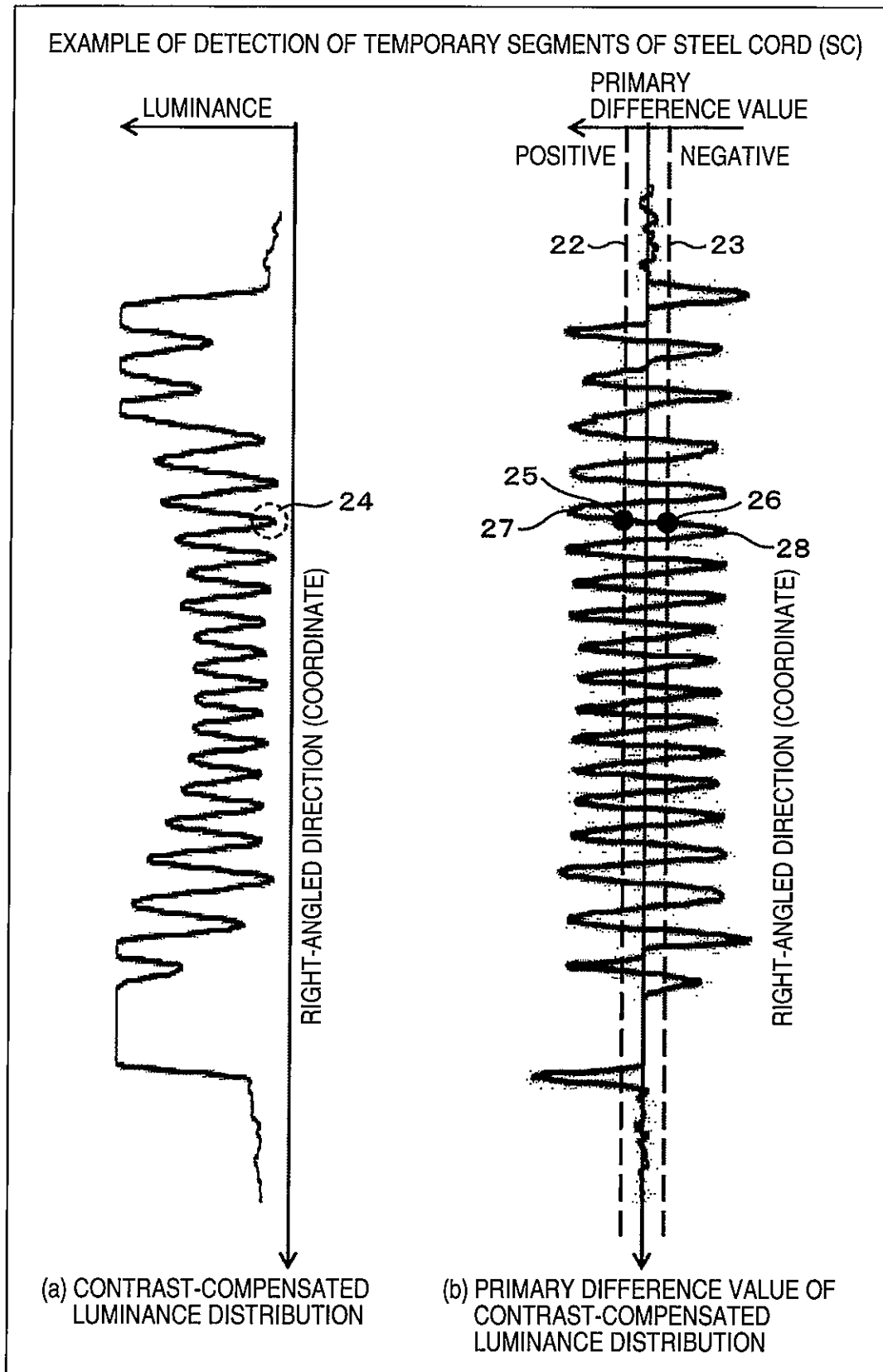


FIG. 7

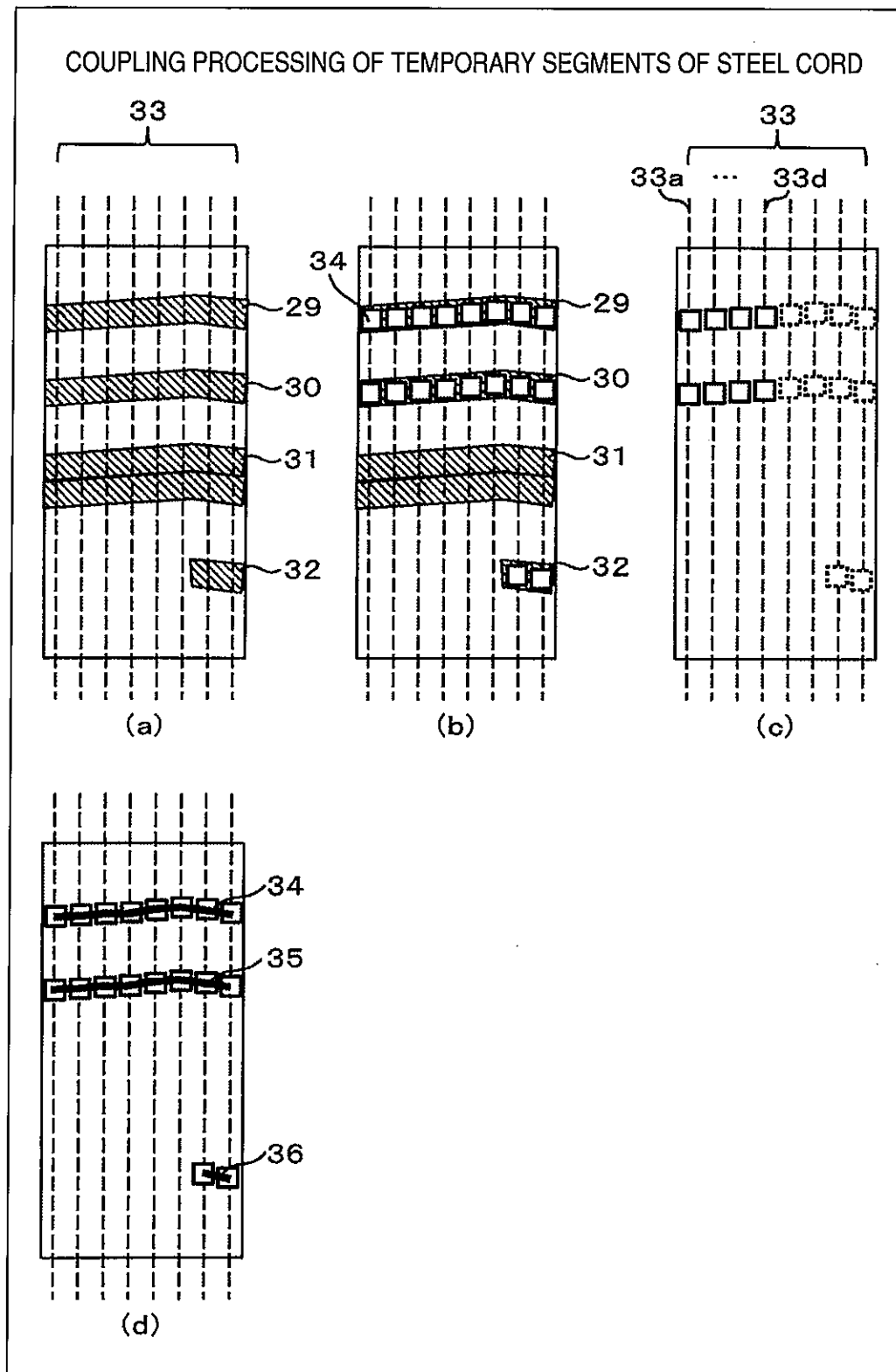


FIG.8

2ND EXAMPLE OF PROCESSINGS OF SC DETECTION PART

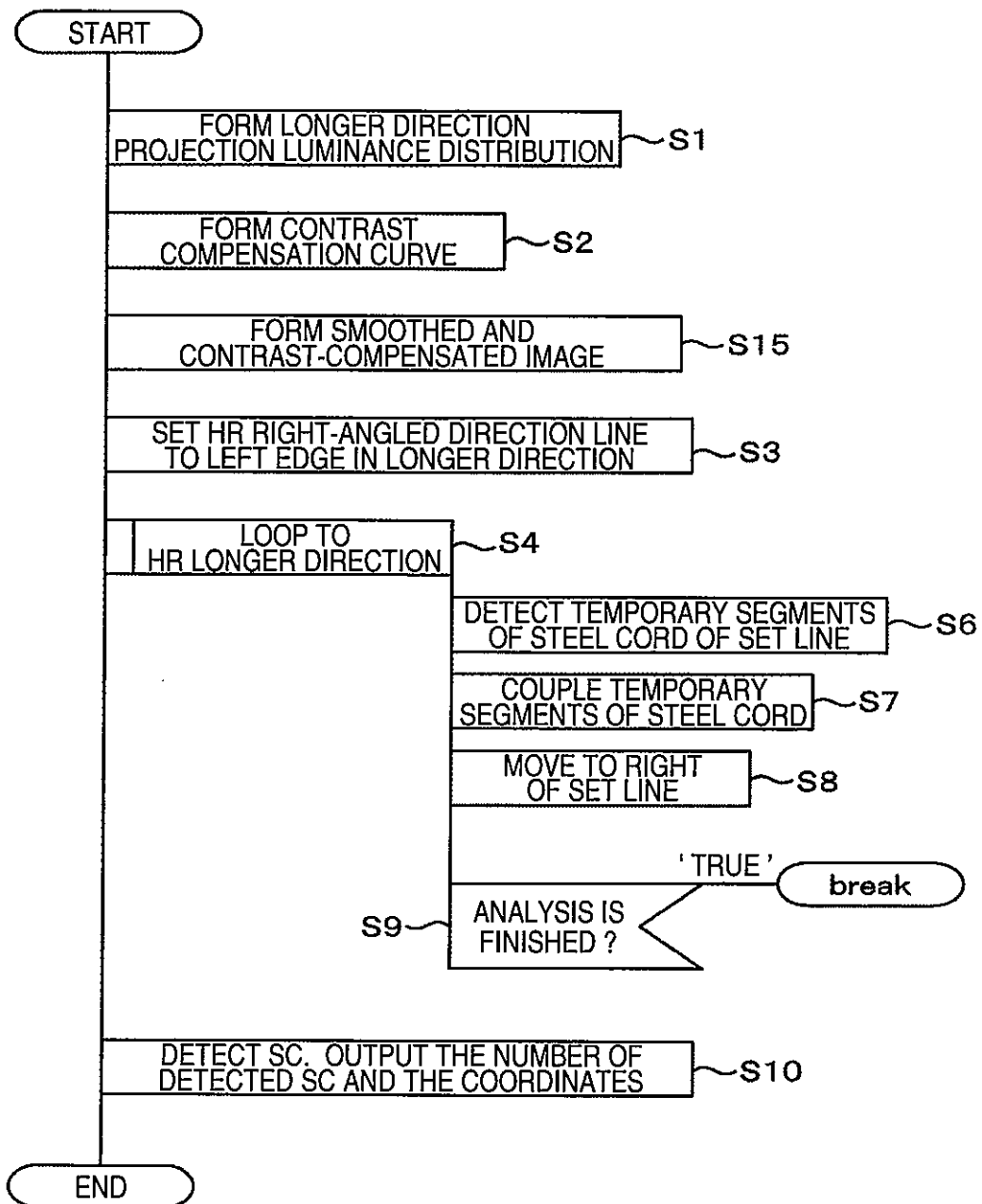
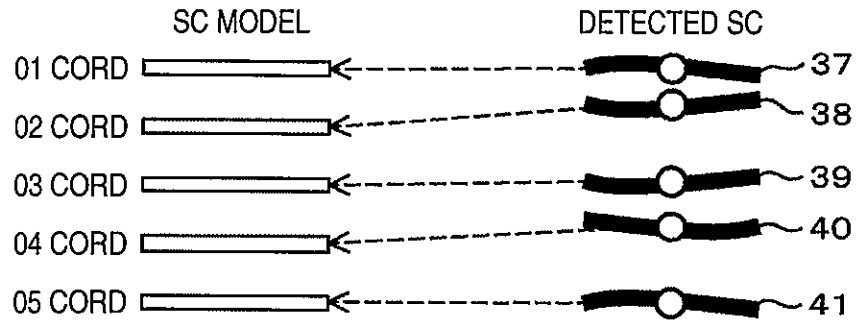
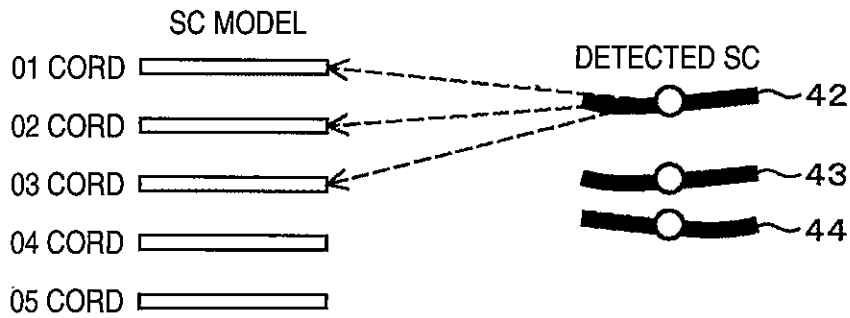


FIG.9

COLLATION METHOD OF SC MODEL AND DETECTED STEEL CORDS



(a) WHEN 5 STEEL CORDS ARE DETECTED



(b) WHEN 3 STEEL CORDS ARE DETECTED

	DETECTION 42	DETECTION 43	DETECTION 44	MIN
01 CORD	d11	*	*	d11
02 CORD	d21	d22	*	min(d21, d22)
03 CORD	d31	d32	d33	min(d31, d32, d33)
04 CORD	*	d42	d43	min(d42, d43)
05 CORD	*	*	d53	d53

(c) DISTANCE TABLE

FIG.10

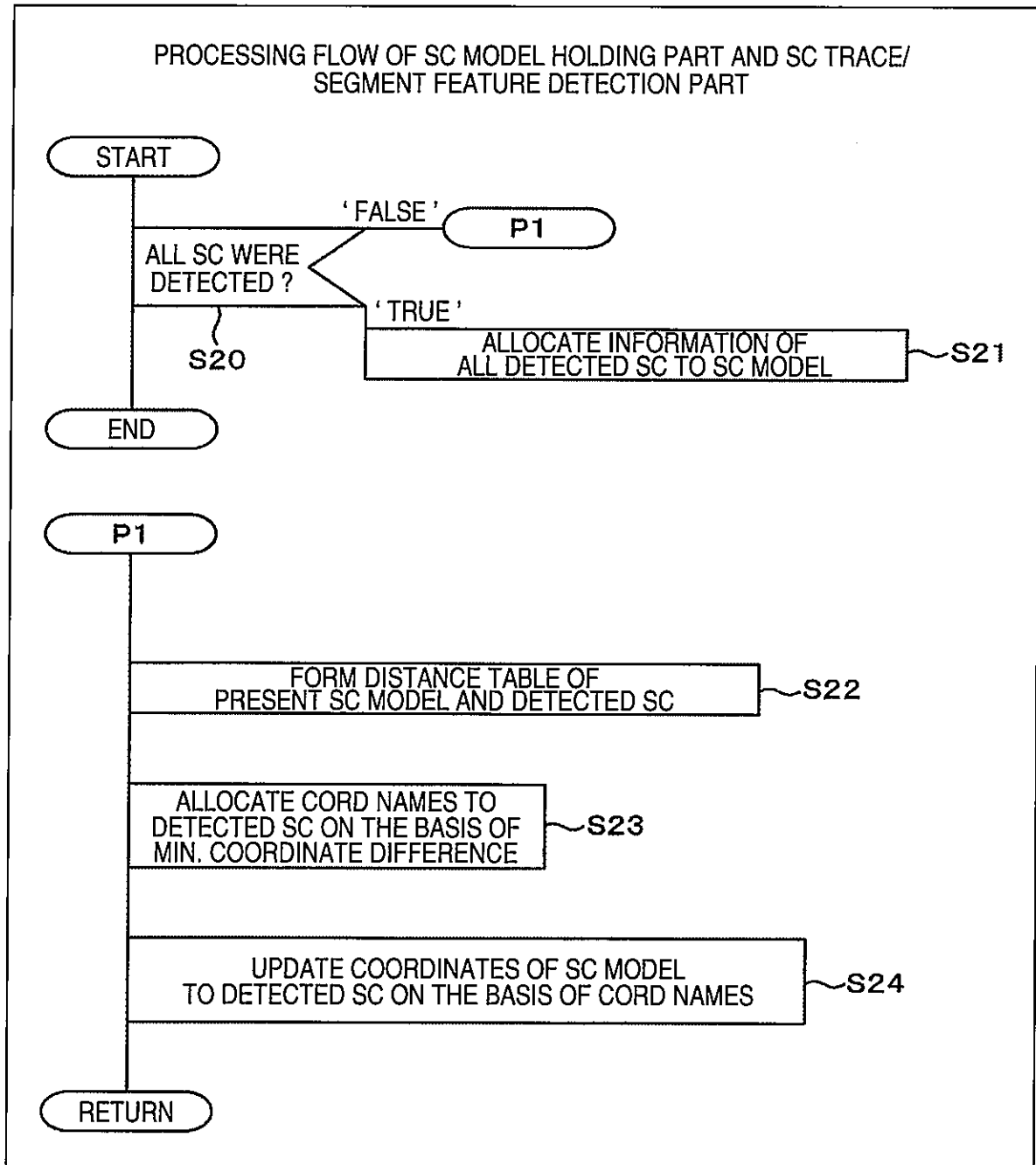


FIG.11

DETECTION METHOD OF SEGMENT FEATURE "LACK"

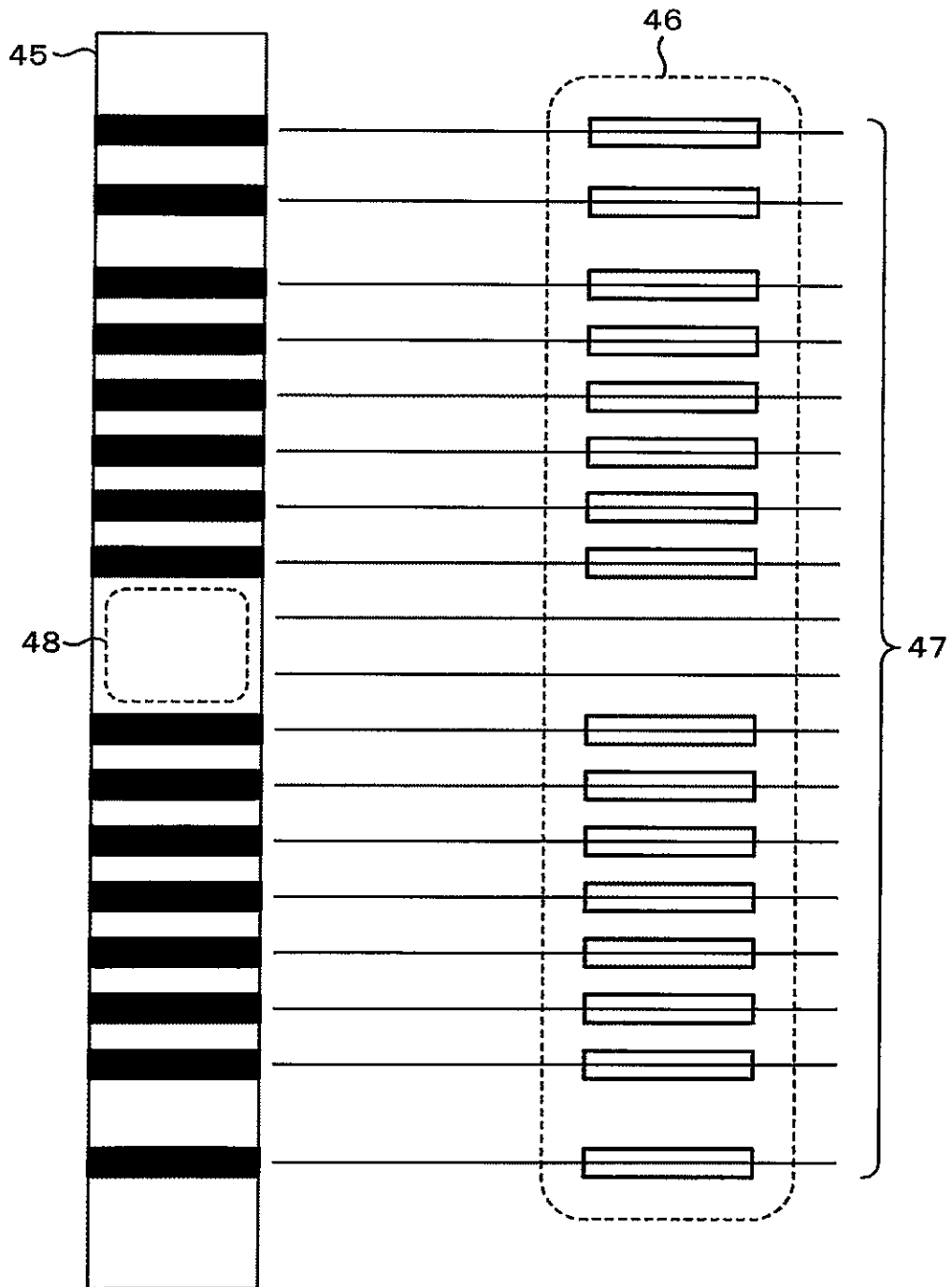


FIG.12

DETECTION METHOD OF SEGMENT FEATURE "CONTACT"

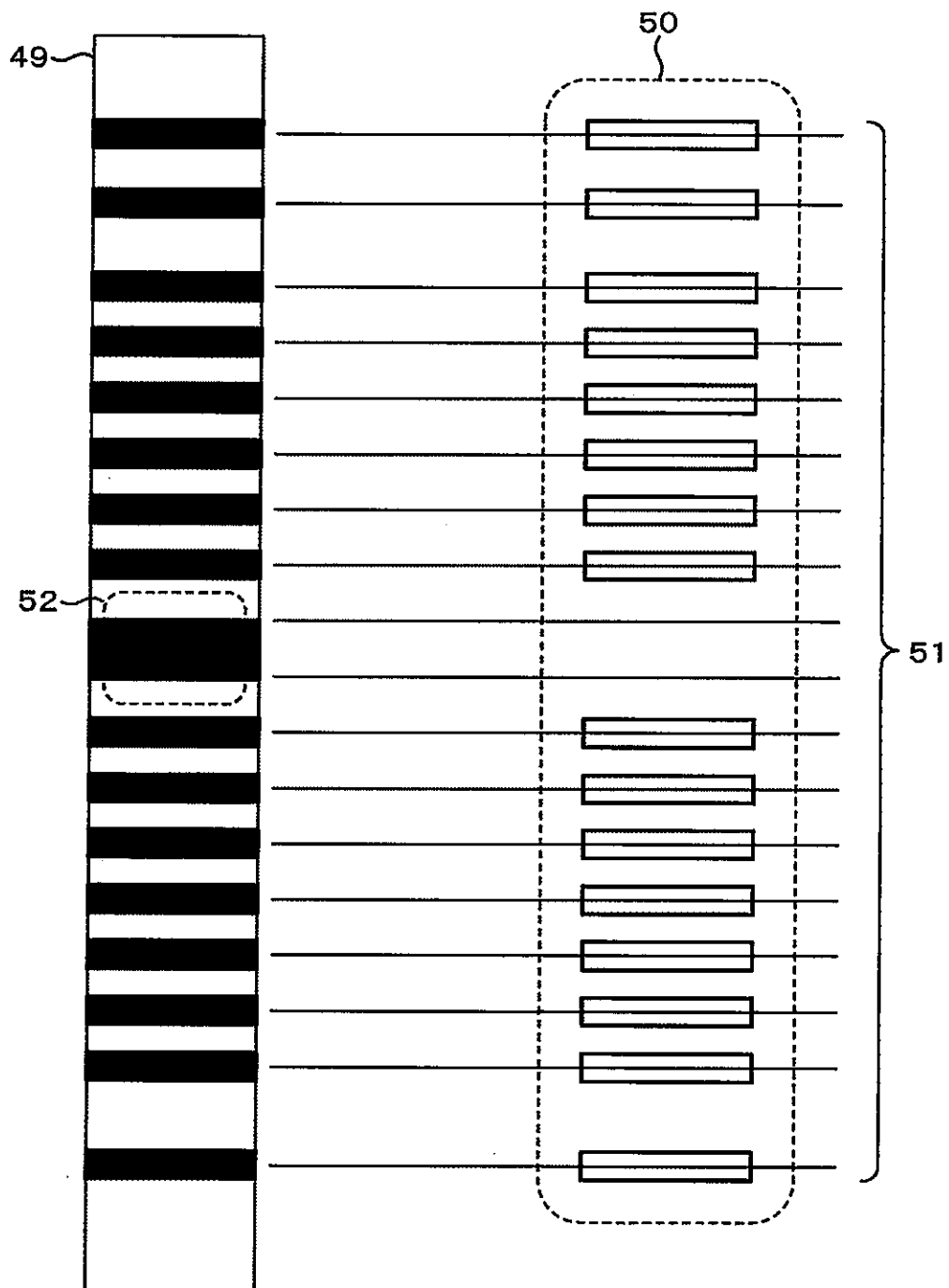


FIG.13

DETECTION METHOD OF SEGMENT FEATURE "ENTANGLEMENT"

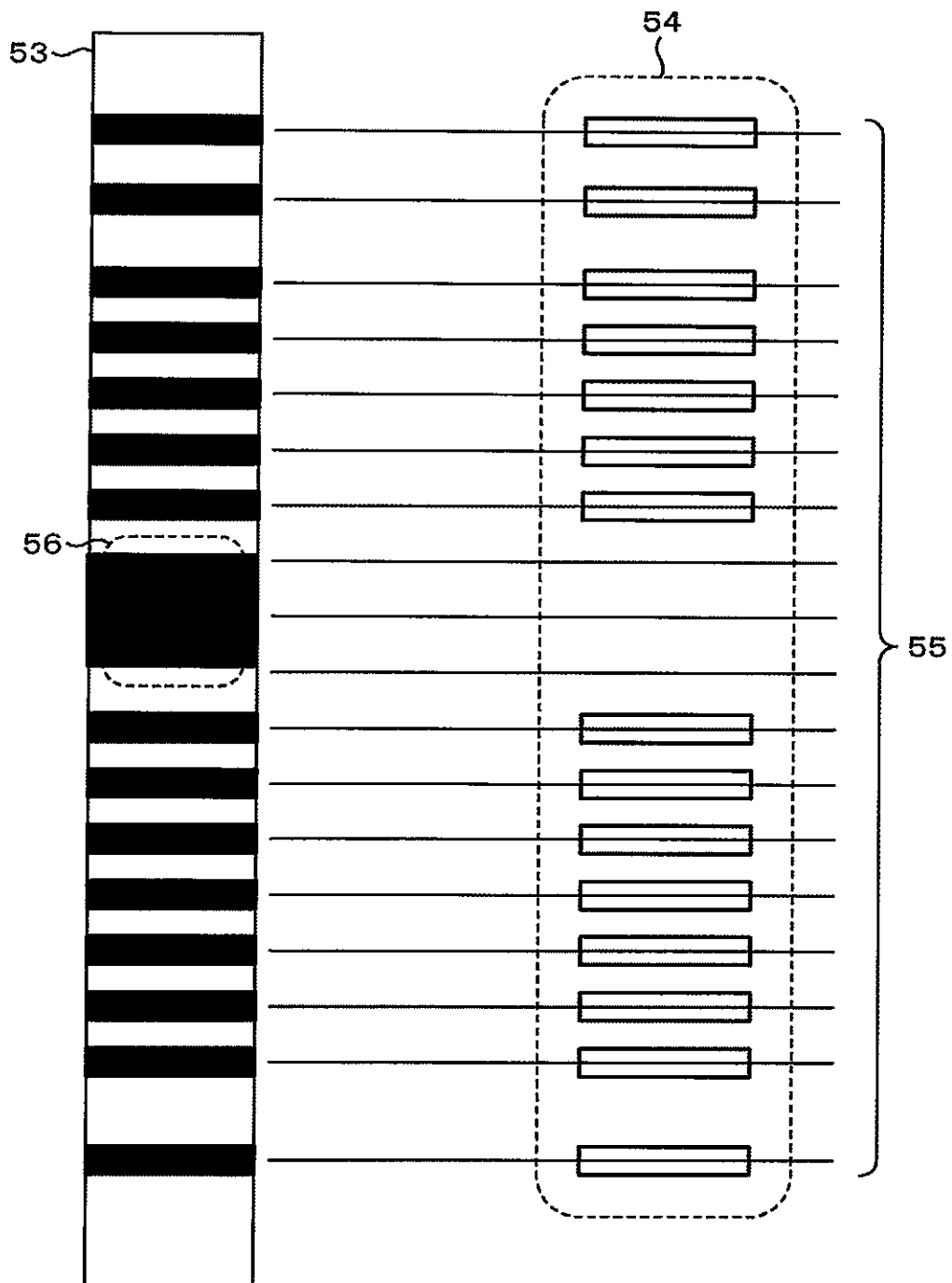


FIG.14

QUALITY JUDGEMENT OR GRADED QUALITY EVALUATION CONDITION

QUALITY RANK	JUDGEMENT CONDITION
A	IF NONE OF B JUDGEMENT AND C JUDGEMENT, A JUDGEMENT IS SET
B	IF ALSO CORRESPONDS TO C JUDGEMENT, C JUDGEMENT IS SET. B JUDGEMENT IS SET BY OR OF THE FOLLOWING CONDITION. · " CONTACT " CONTINUES BY B1 (FRAMES) OR MORE
C	C JUDGEMENT IS SET BY OR OF THE FOLLOWING CONDITION. · " LACK " CONTINUES BY C1 (FRAMES) OR MORE · " ENTANGLEMENT " CONTINUES BY C2 (FRAMES) OR MORE

FIG.15

FLOW FOR PROCESSINGS OF IMAGE PROCESSING PART

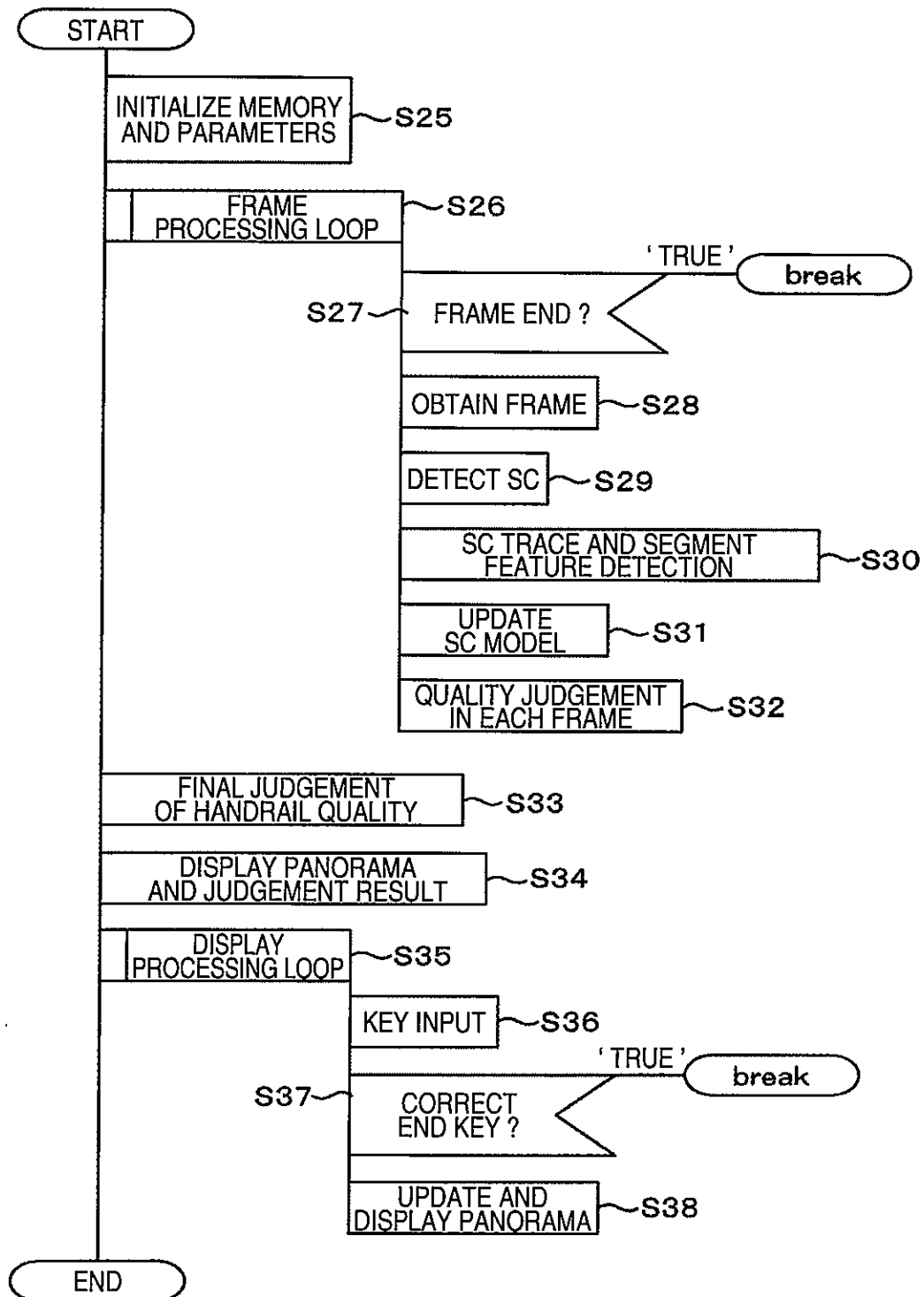


FIG.16

2ND EMBODIMENT OF IMAGE PROCESSING PART OF X-RAY INSPECTION APPARATUS

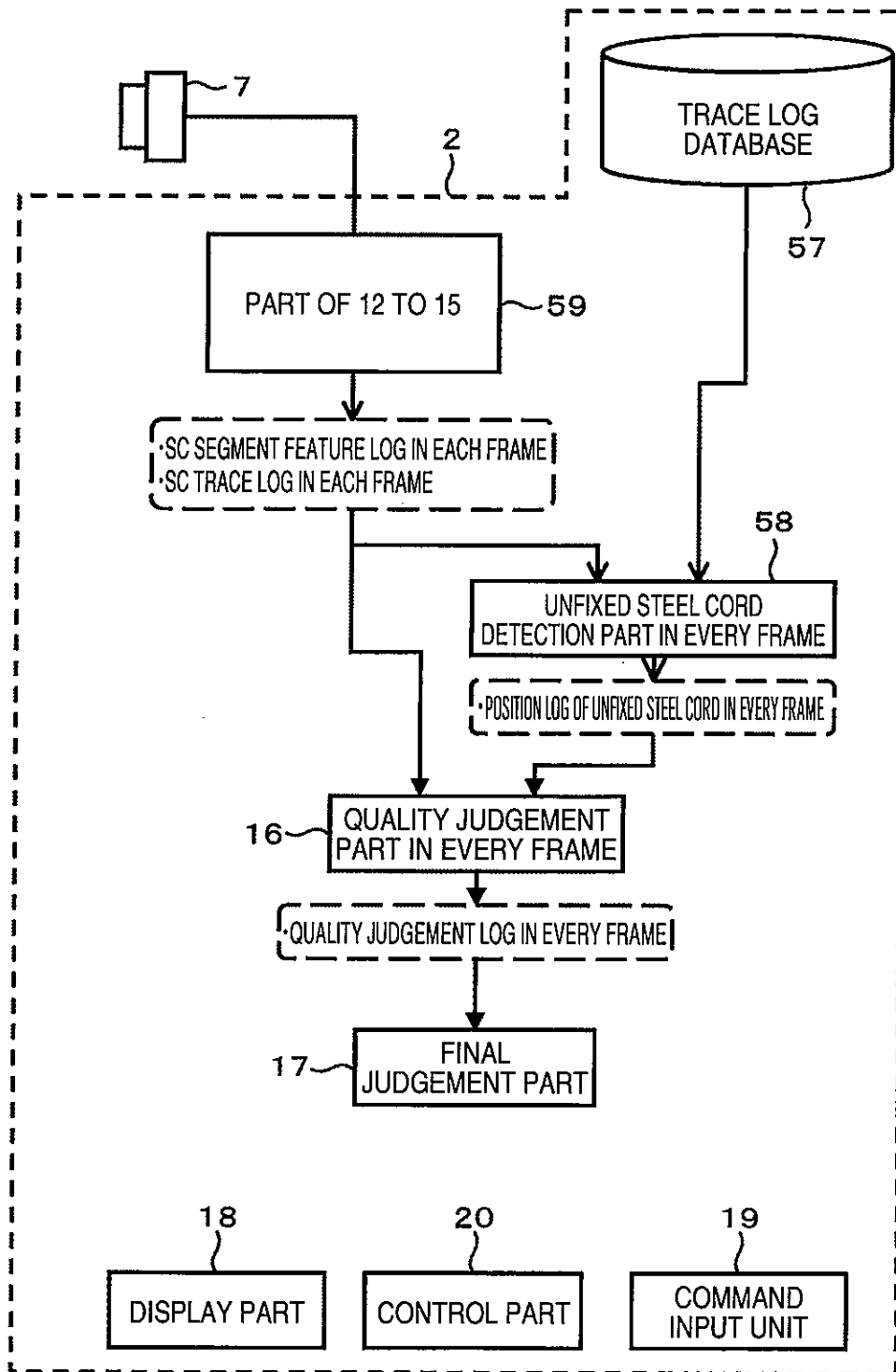


FIG.17

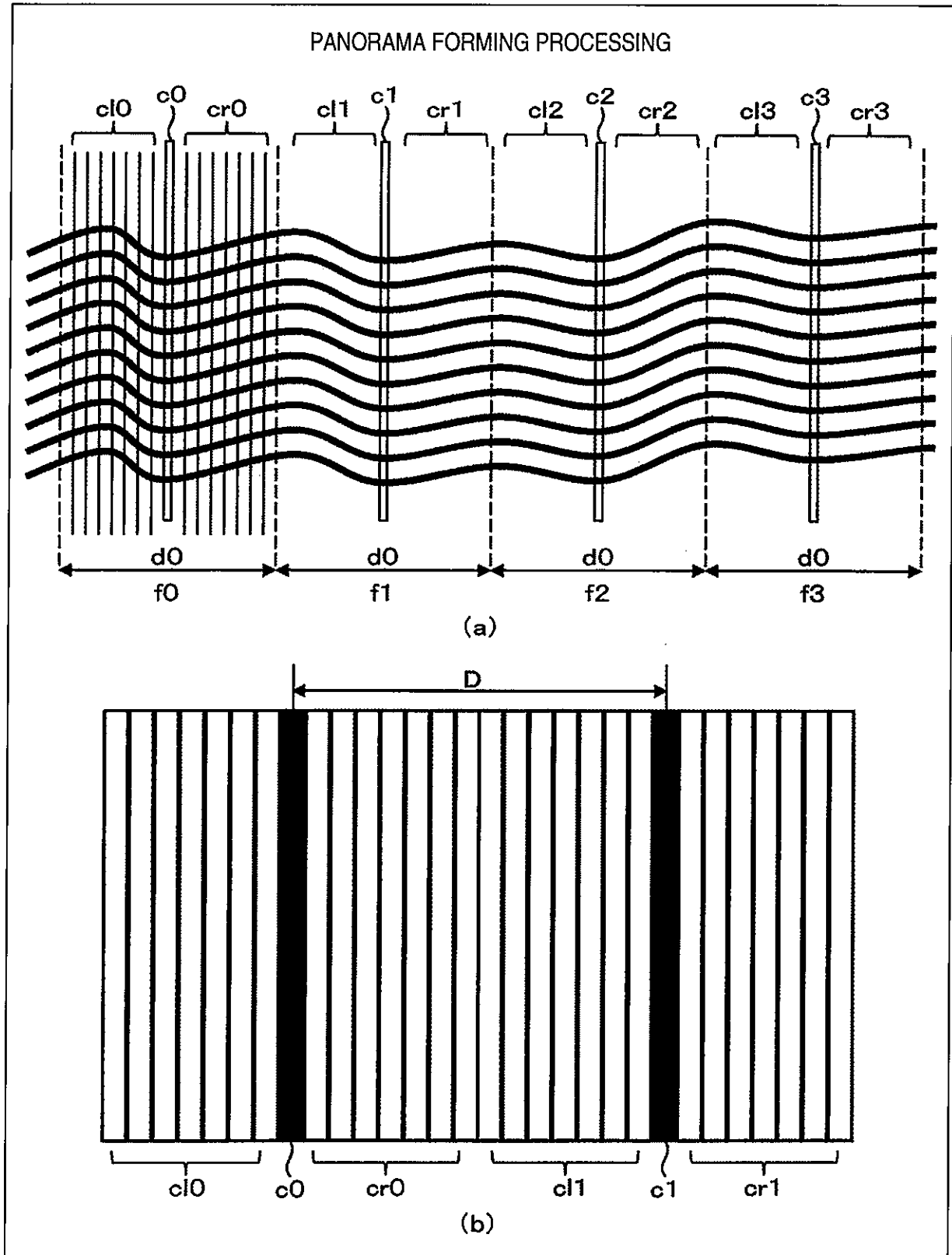


FIG.18

