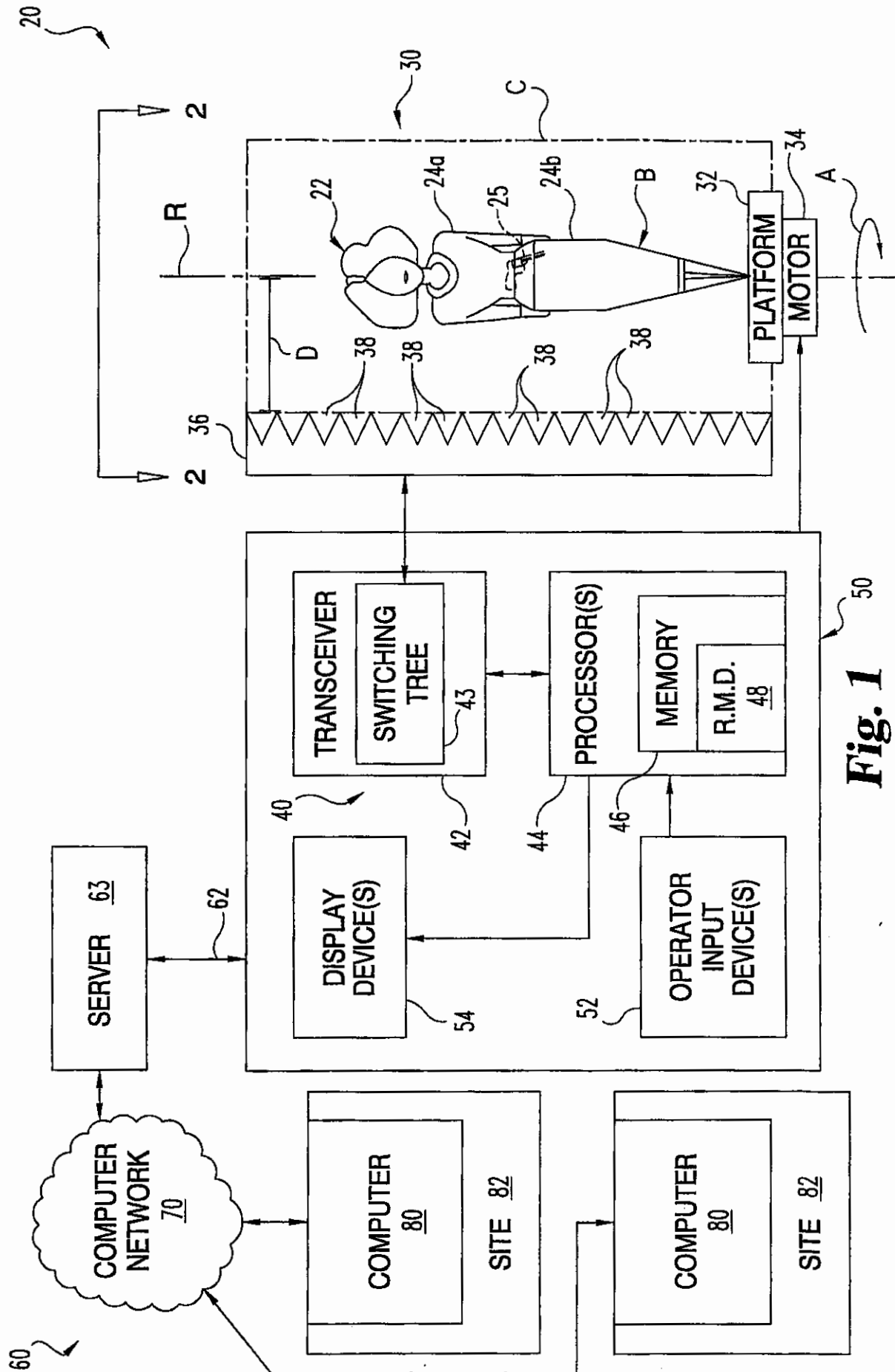


**Fig. 1**

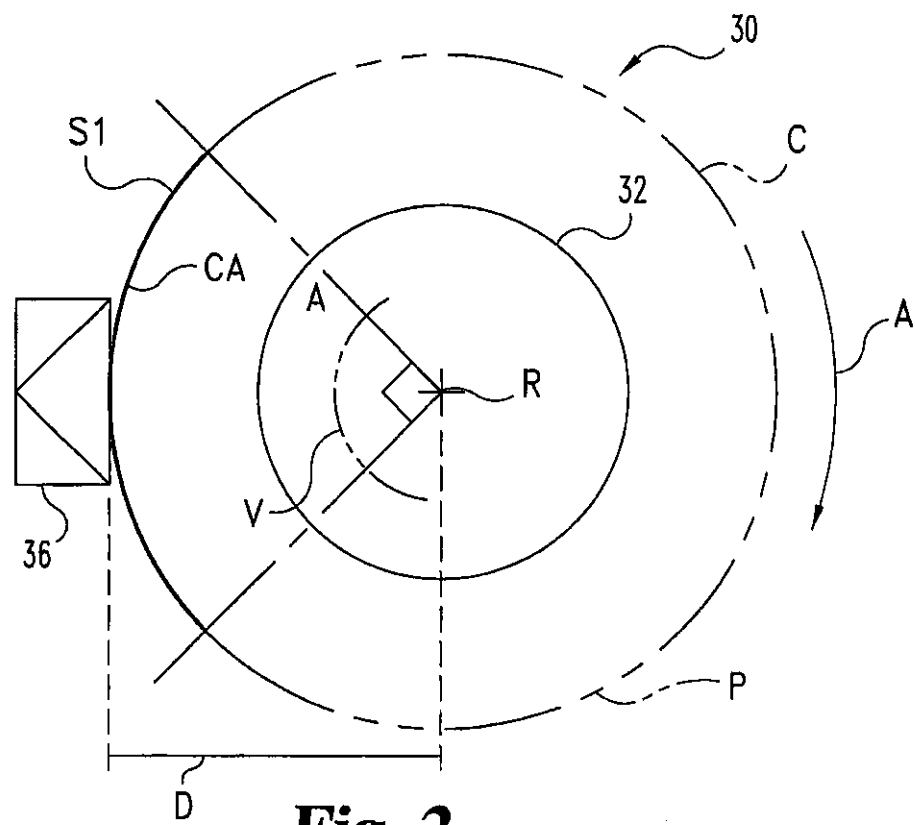
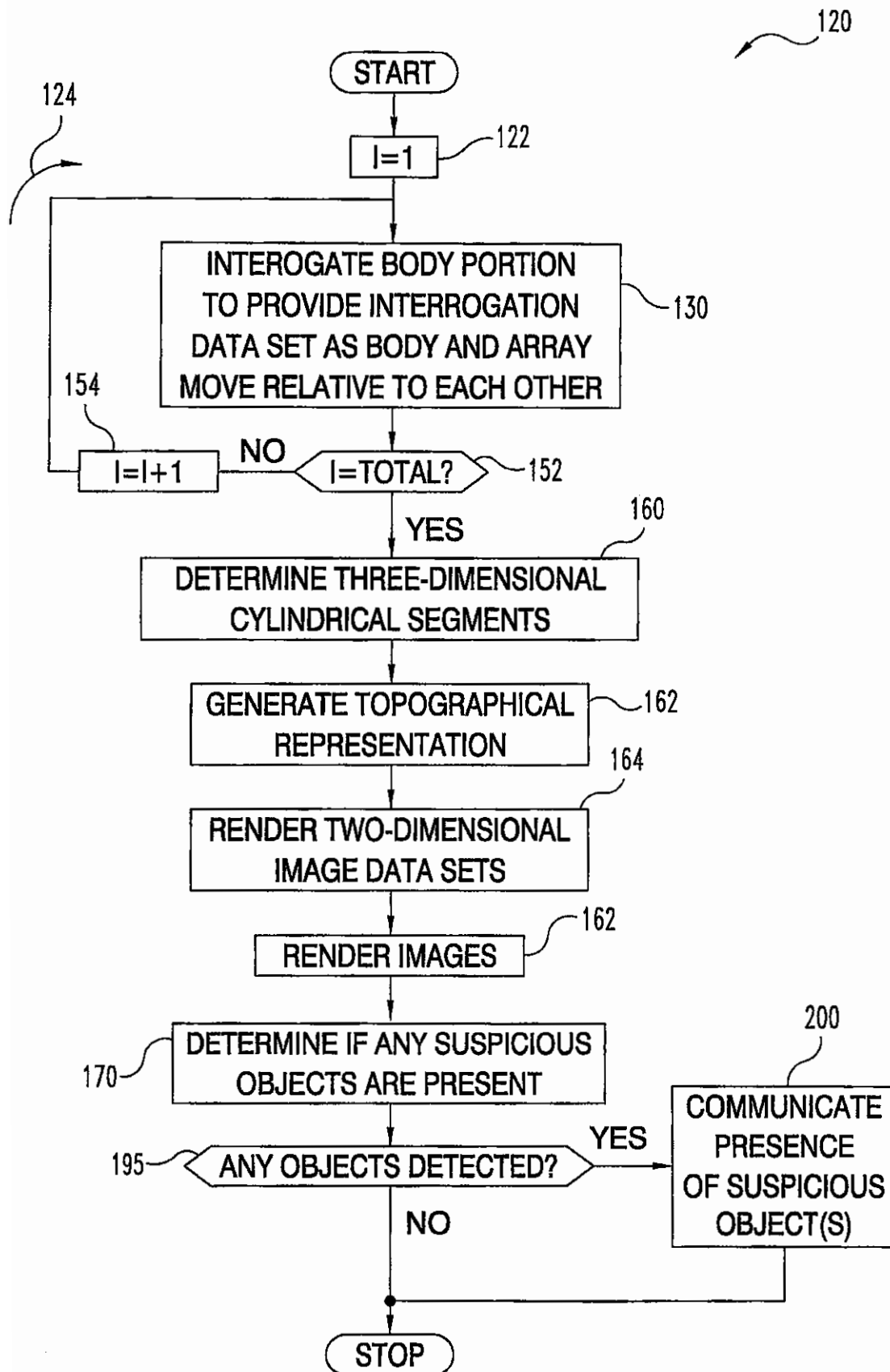
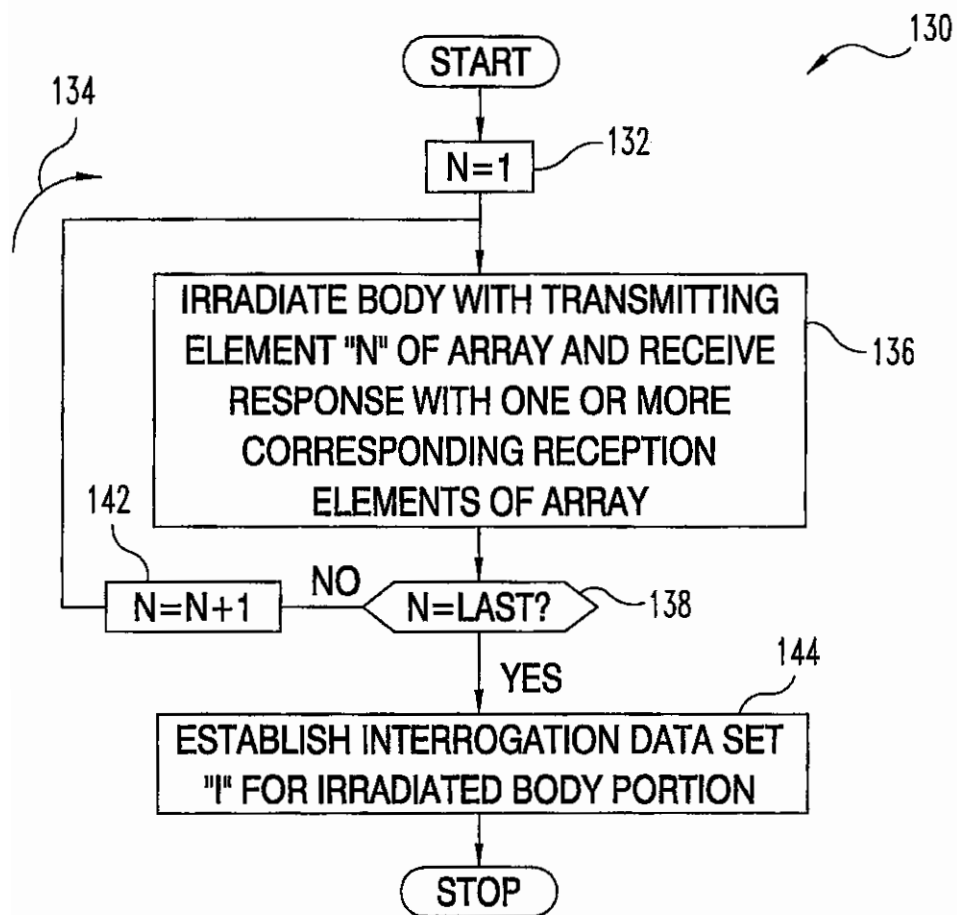
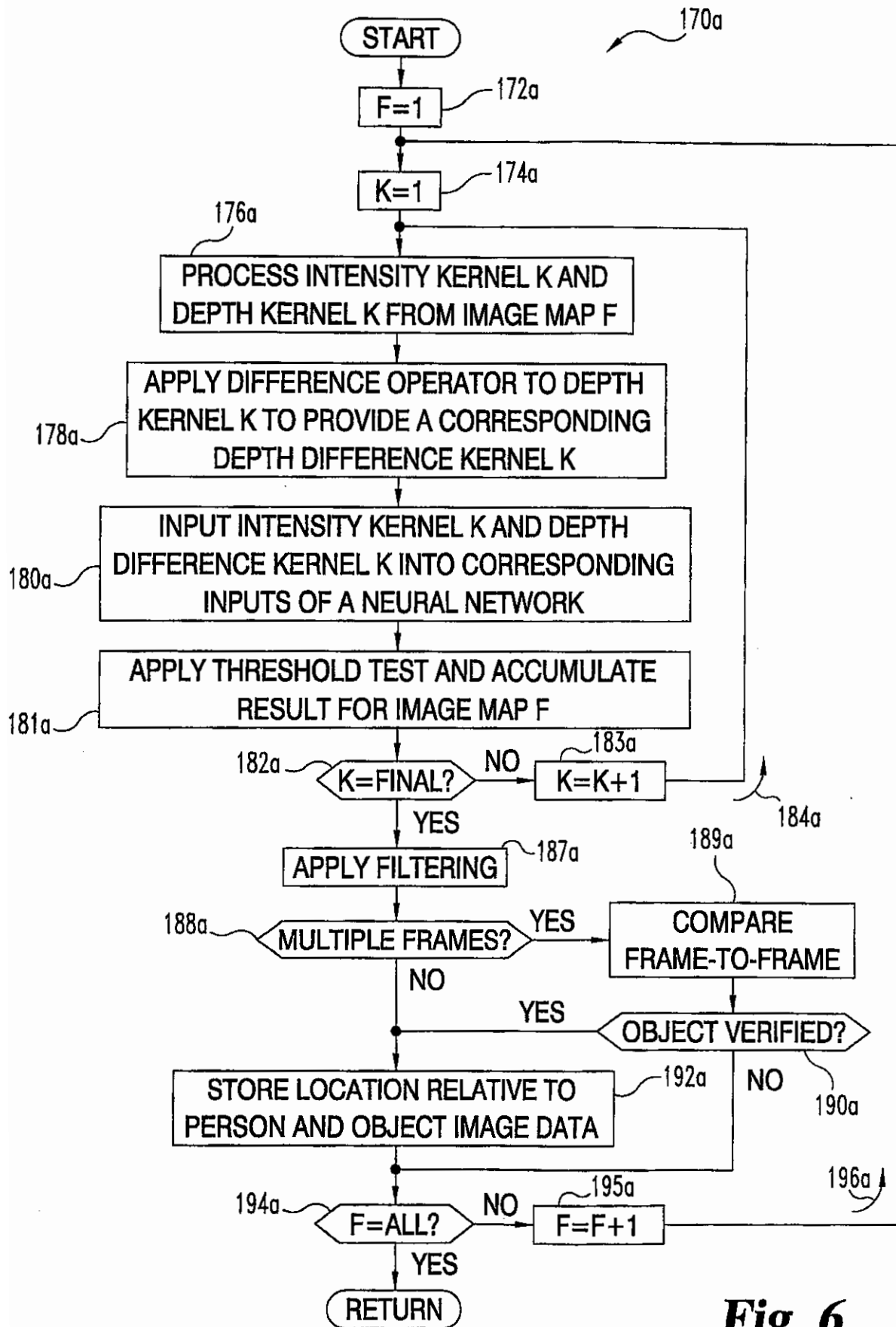
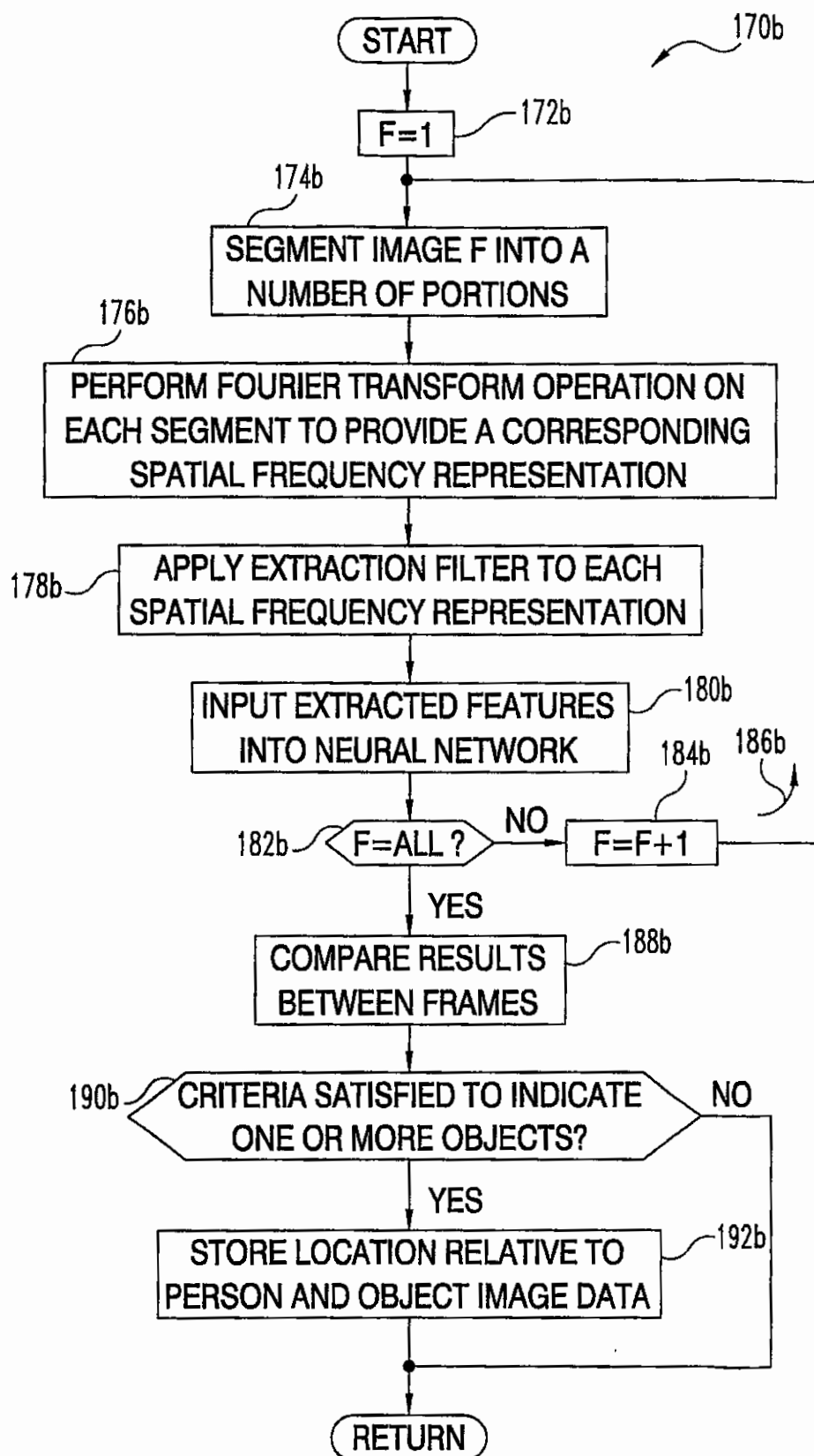


Fig. 2

**Fig. 3**

**Fig. 4**

**Fig. 6**

**Fig. 7**

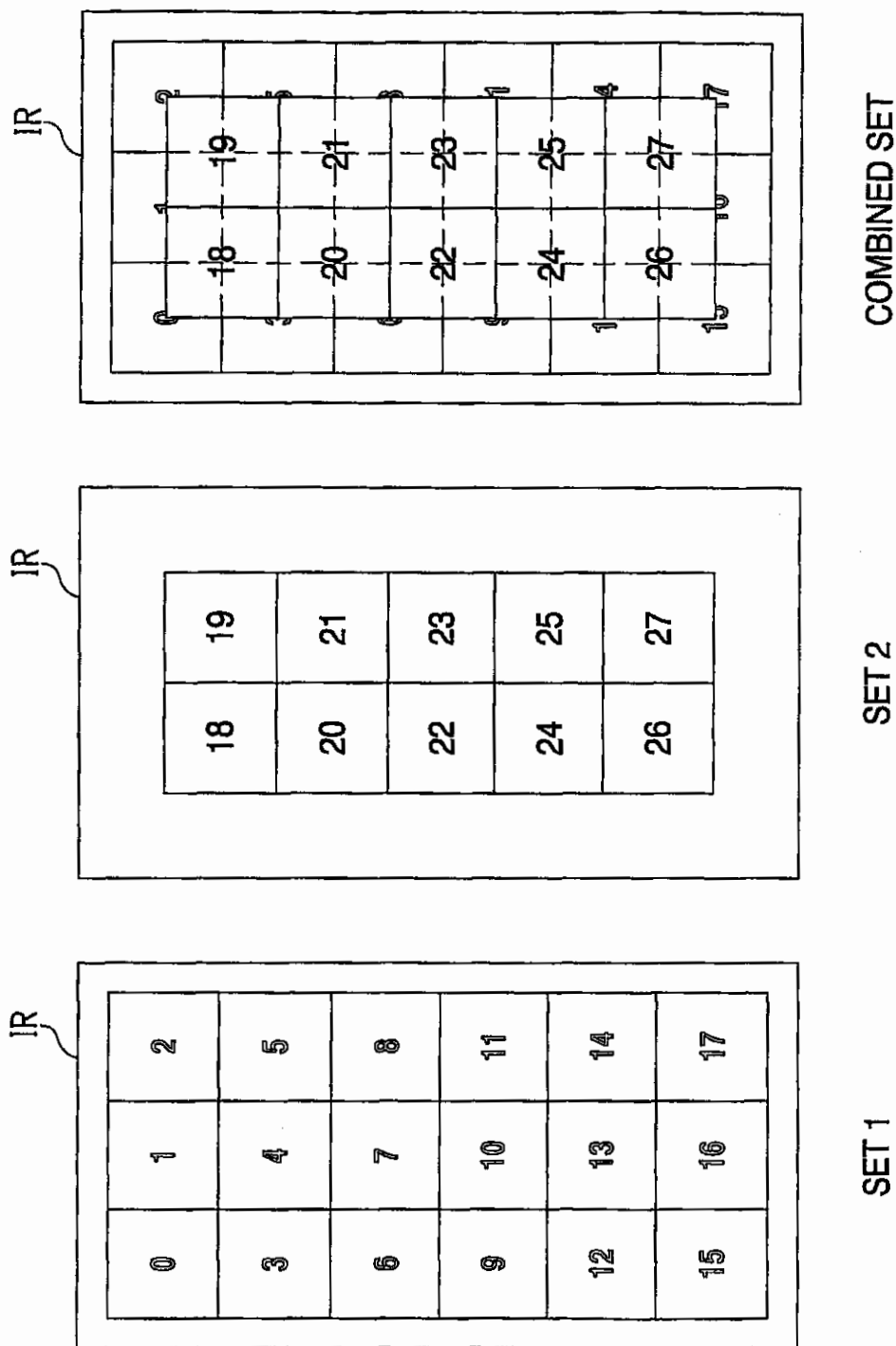
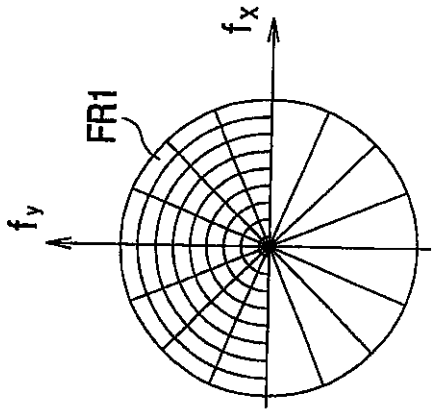
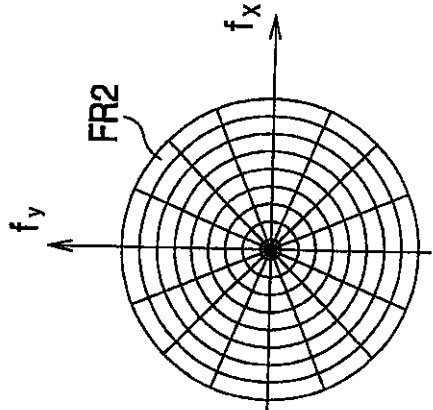


Fig. 8

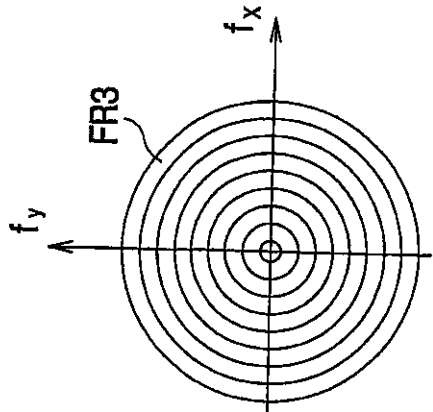
RING-WEDGE BASED
FOURIER FEATURE EXTRACTOR



SECTOR BASED FOURIER
FEATURE EXTRACTOR



RING BASED FOURIER
FEATURE EXTRACTOR



FOURIER SPACE

$$F(f_x, f_y) \quad F(r, \theta)$$

Fig. 9

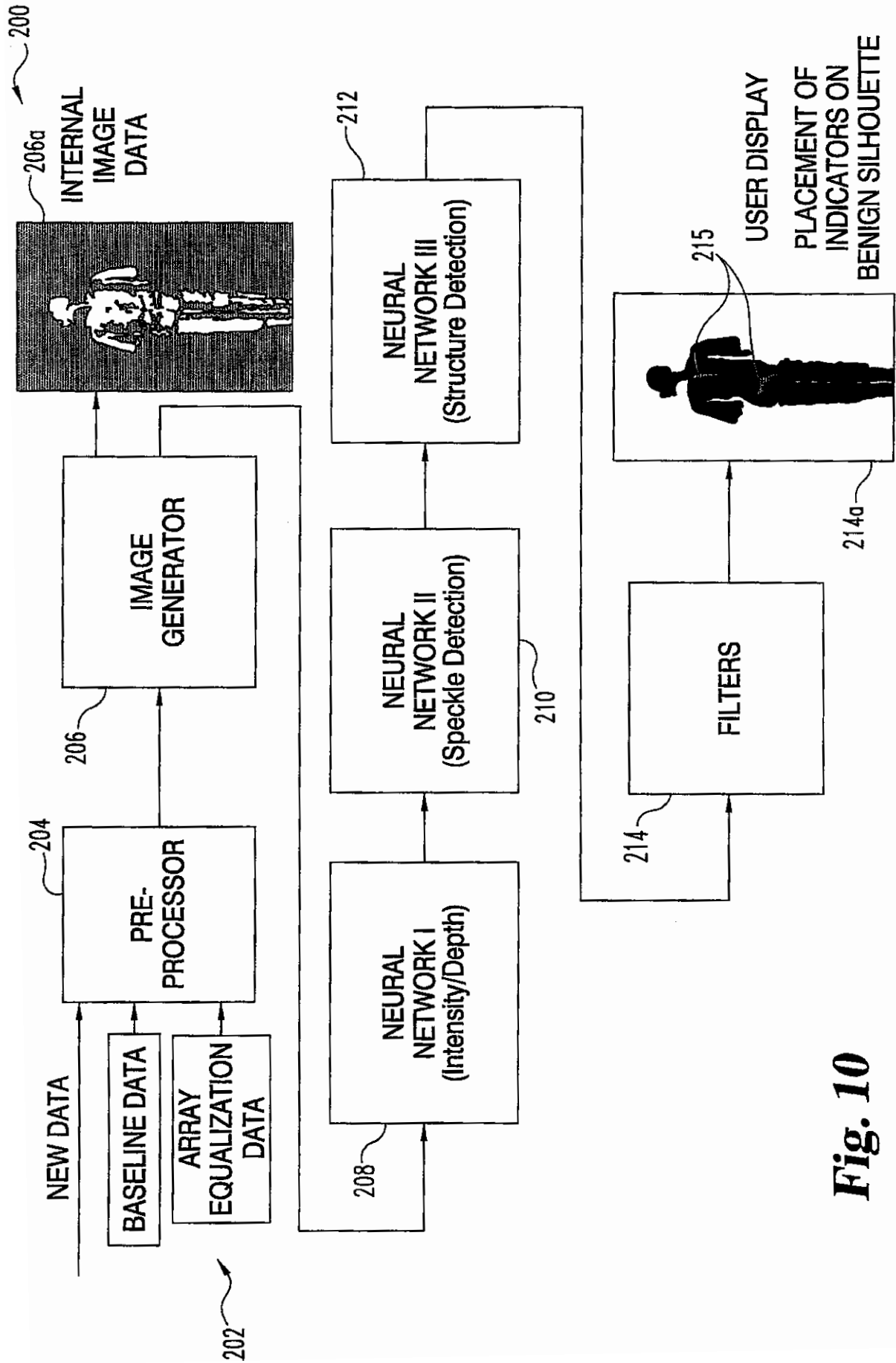
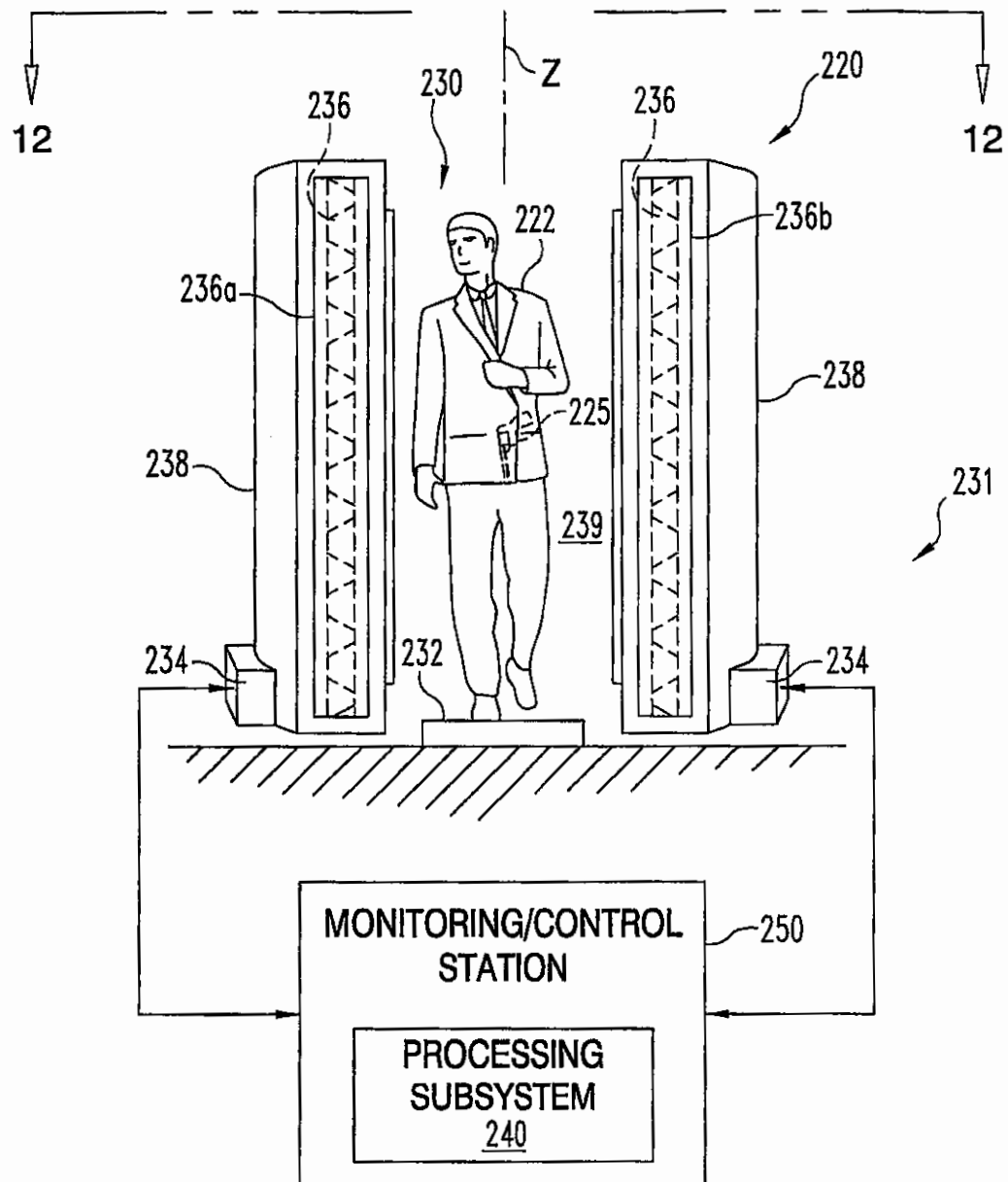
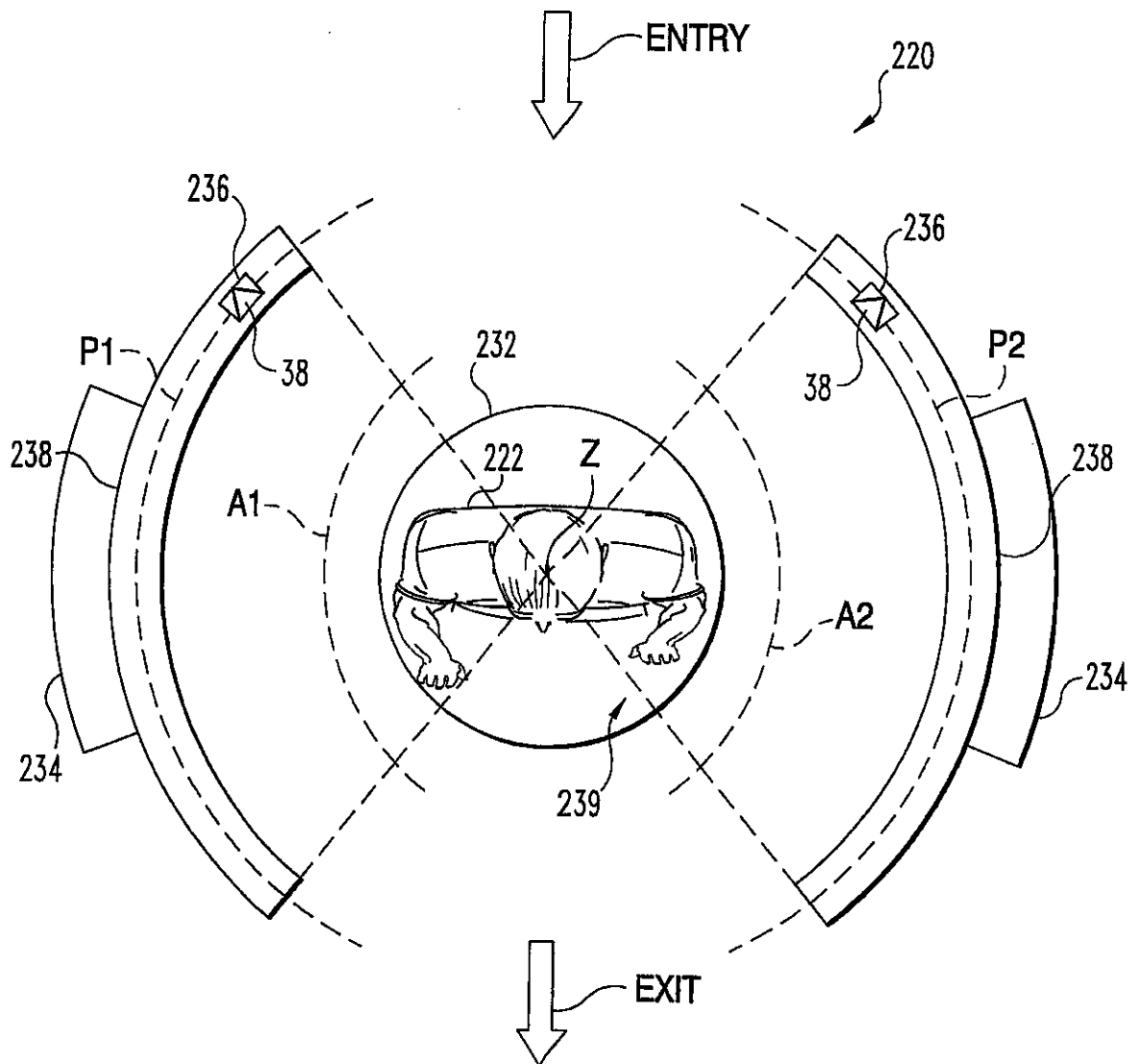


Fig. 10

**Fig. 11**

**Fig. 12**

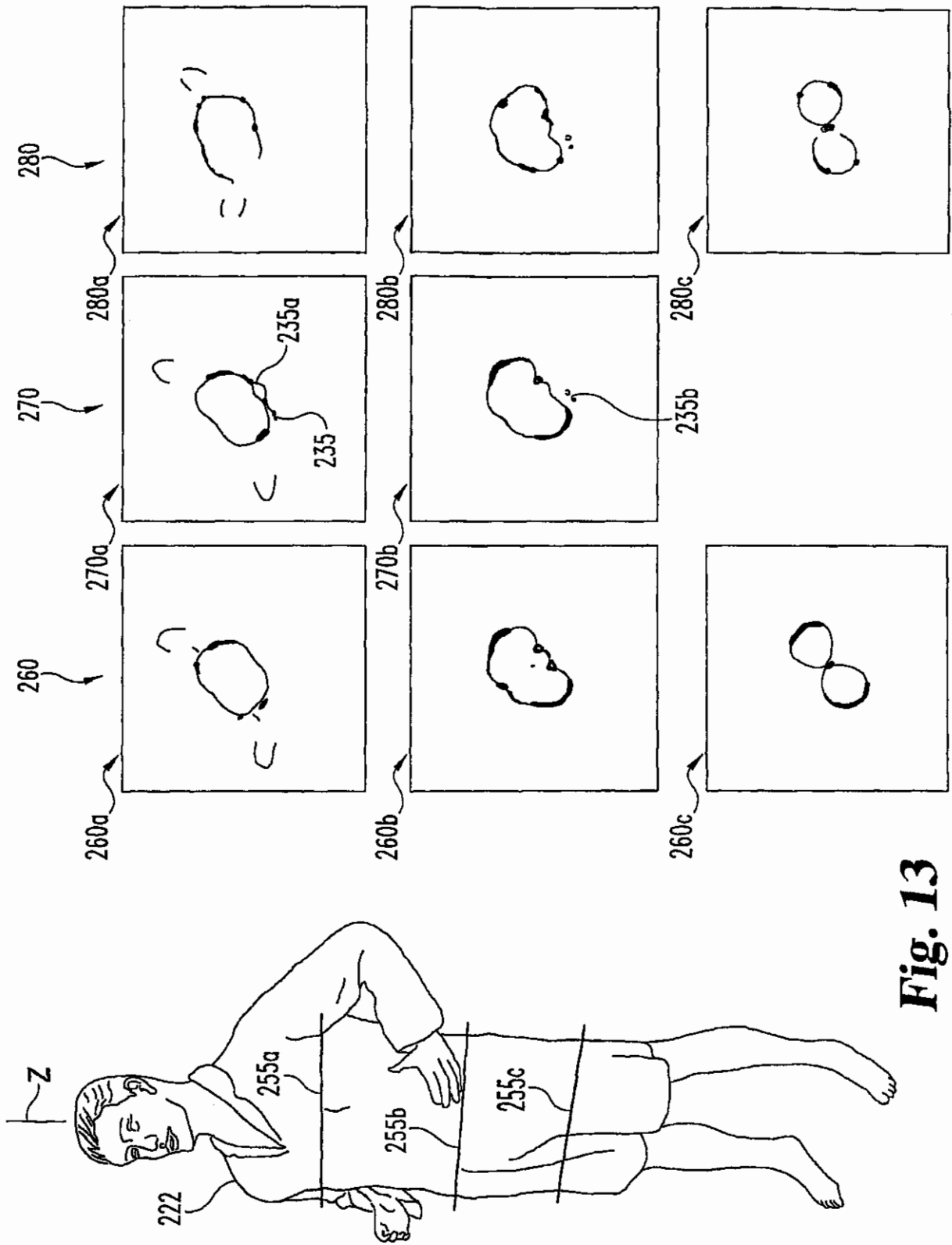
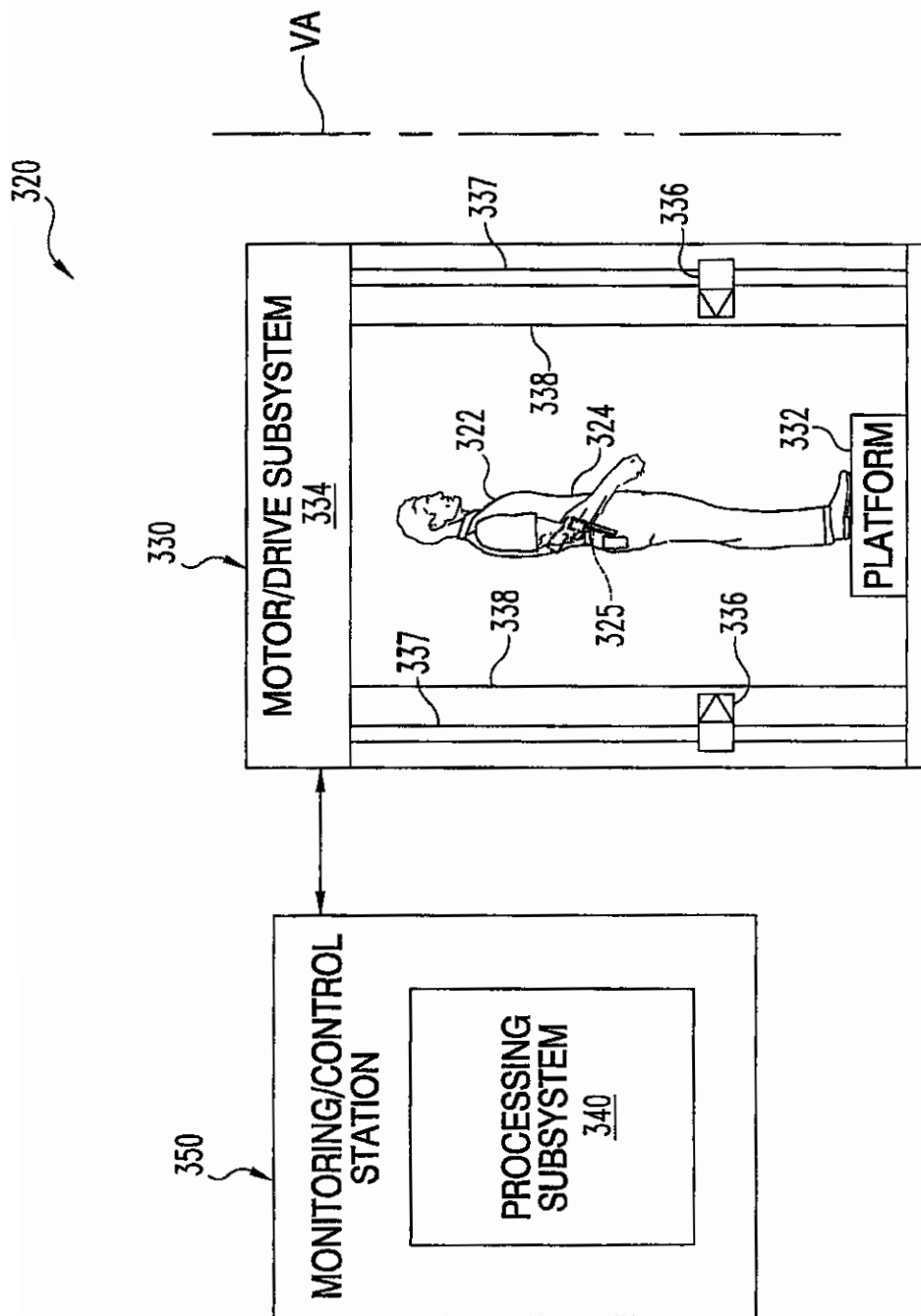


Fig. 13

**Fig. 14**

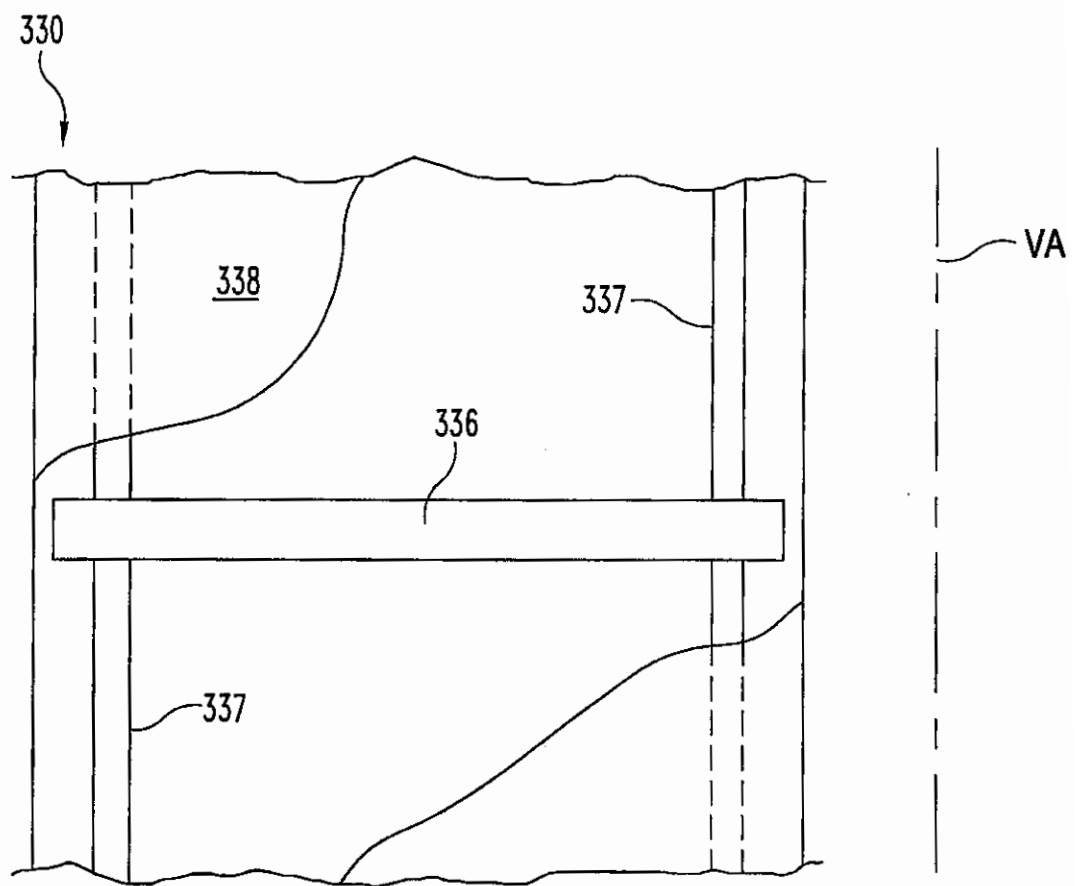


Fig. 15

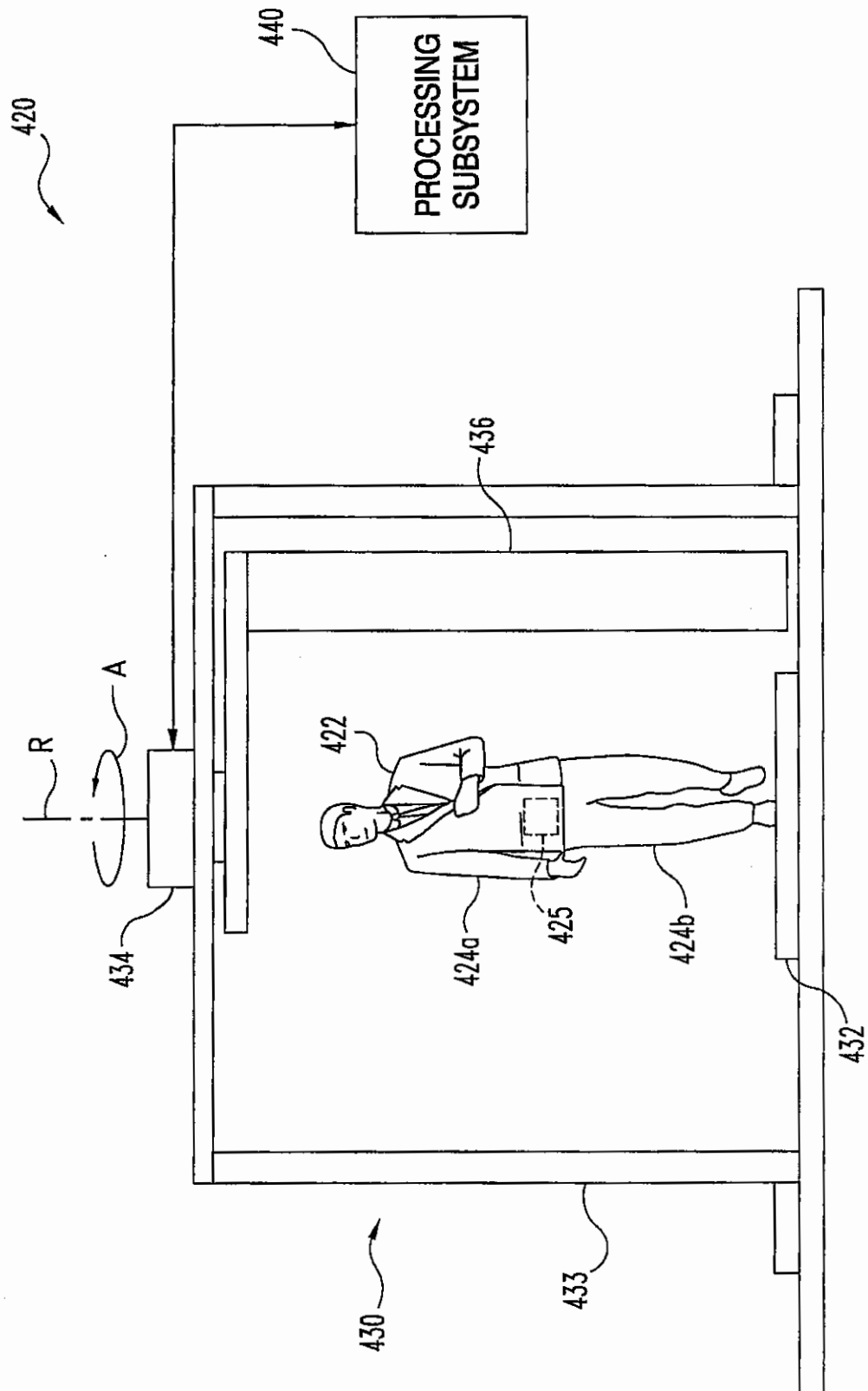
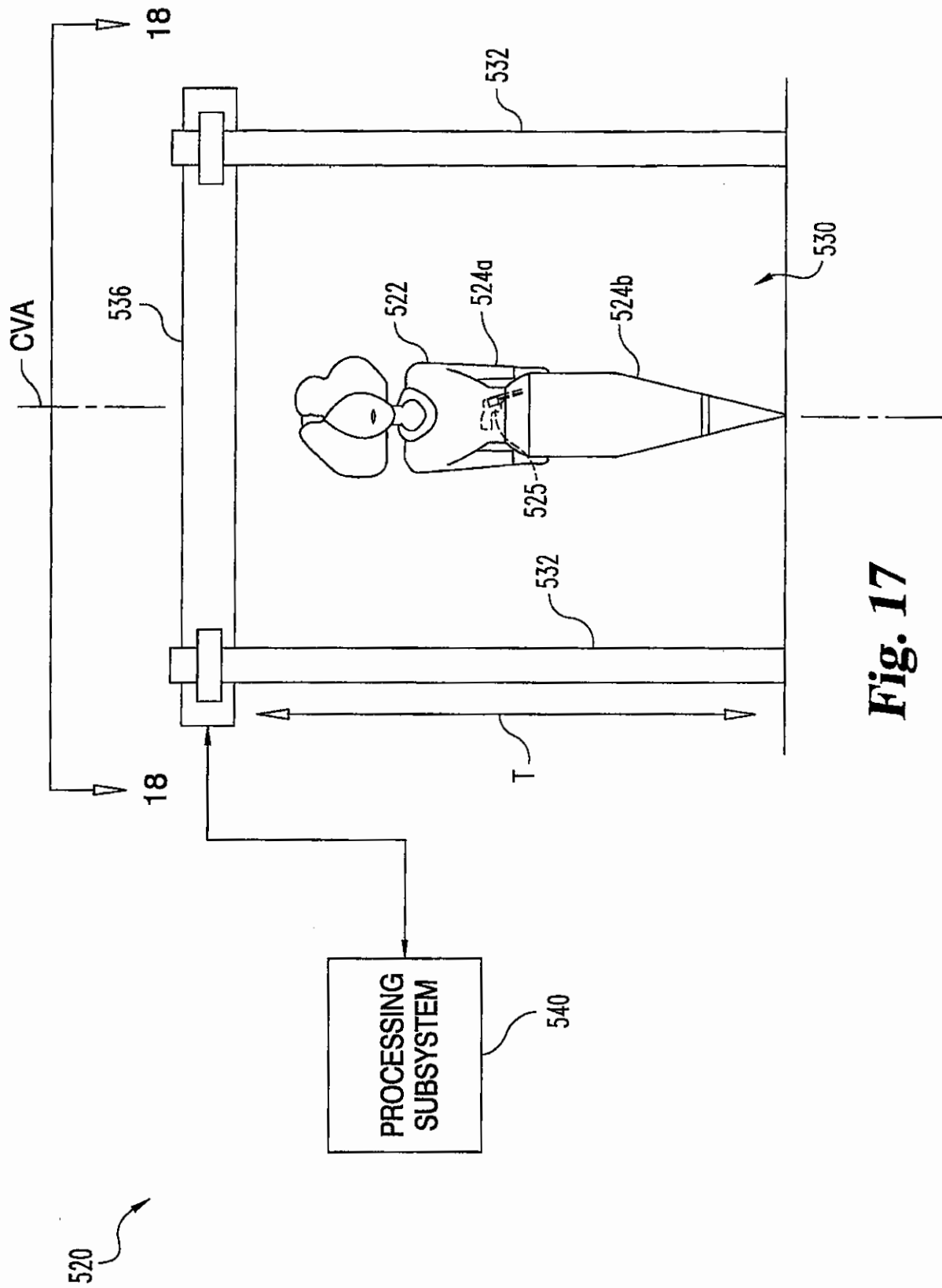


Fig. 16

**Fig. 17**

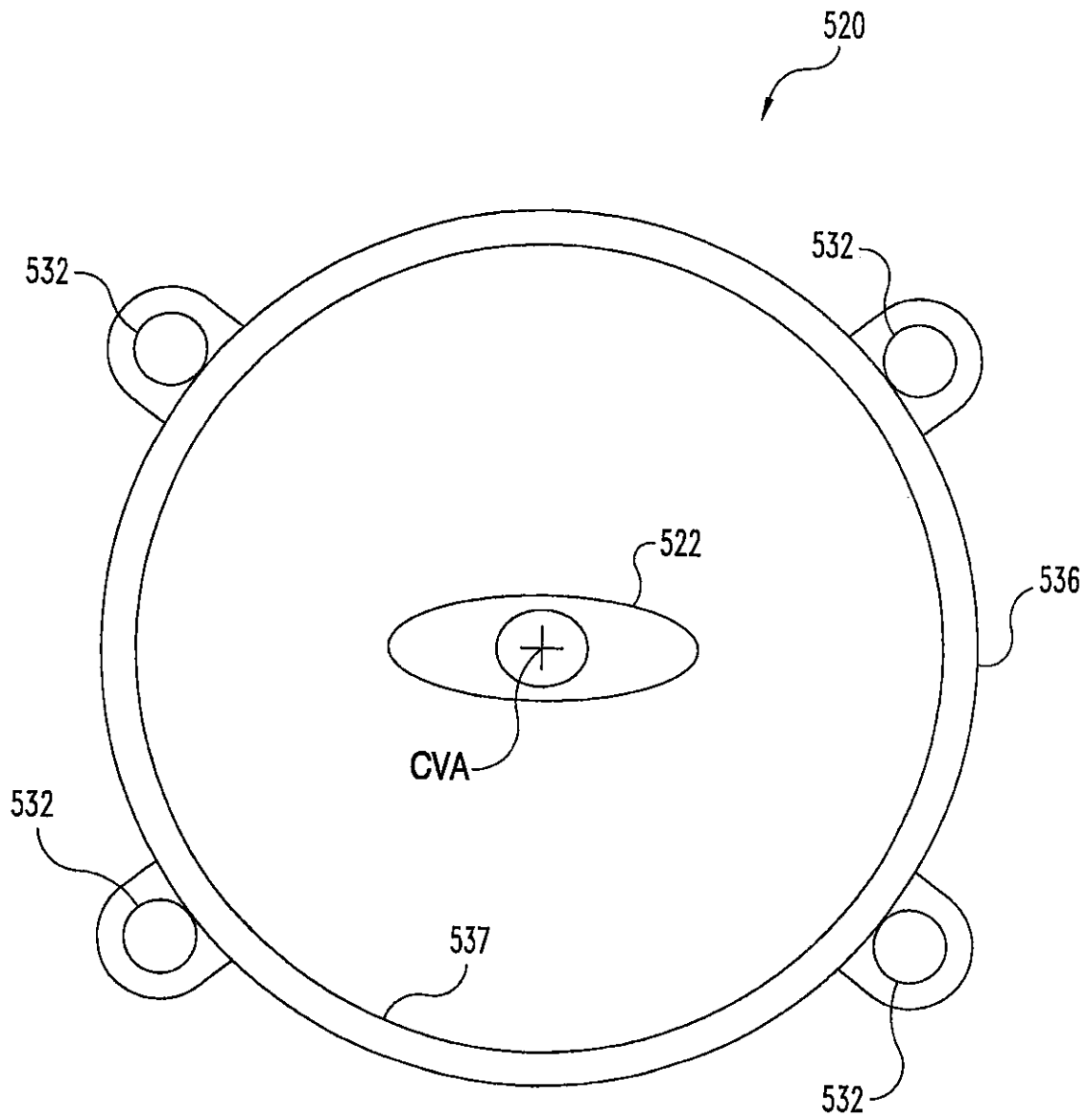


Fig. 18