

608. Patent Number(s): EP2463683-A1; US2012146844-A1

Title: Active radar system for use as active imaging system used in medical and security applications has signal analyzer that analyzes receive signal obtained by receive antenna from radiation from scene

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Abstract: NOVELTY - The active radar system (60) has a signal analyzer (66) that analyzes a receive signal obtained by a receive antenna (63,64) from radiation from a scene. A controller (65) controls two transmit antennas (61,62) such that the transmission transmit signals (T61,T62) are subsequently initiated with time fsets. The time fset between two subsequently initiated transmissions transmit signals is controlled to be larger than a time delay between transmission one transmit signal and radiation reception this transmit signal.

USE - Active radar system for use as active imaging system used in medical and security applications at ultrasonic, microwave, millimeter and terahertz frequencies.

ADVANTAGE - Requires less time for signal transmission, reception and analysis without using special codes or hardware for signal transmission and reception.

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is included for an active radar system operating method.

DESCRIPTION DRAWING(S) - The drawing shows the block diagram an active radar system.

Active radar system (60)

Transmit antennas (61,62)

Receive antenna (63,64)

Controller (65)

Signal analyzer (66)

Drawing:

Derwent Class Code(s): S05 (Electrical Medical Equipment); W06 (Aviation, Marine and Radar Systems)

Derwent Manual Code(s): S05-X; W06-A04A1; W06-A04B; W06-A04F; W06-A04H1K

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