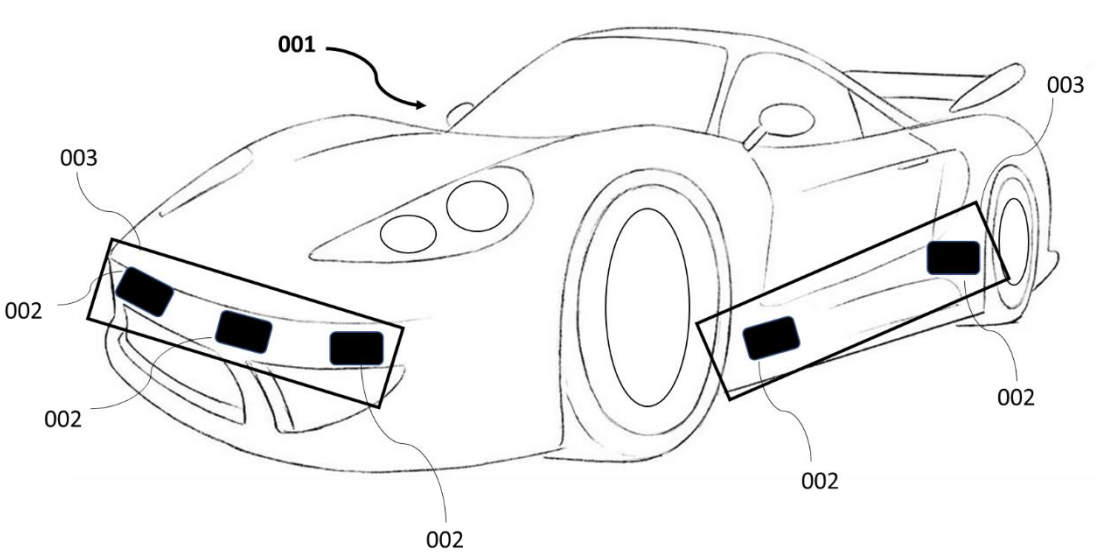


Figure-1: Distributed radars on a vehicle

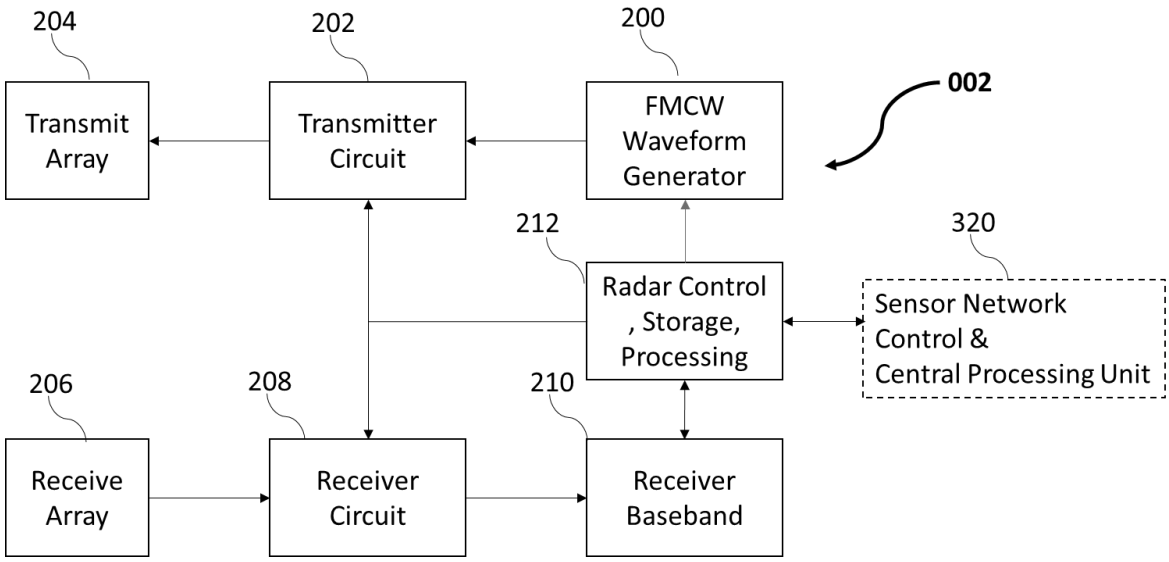


Figure-2: System diagram of individual radar

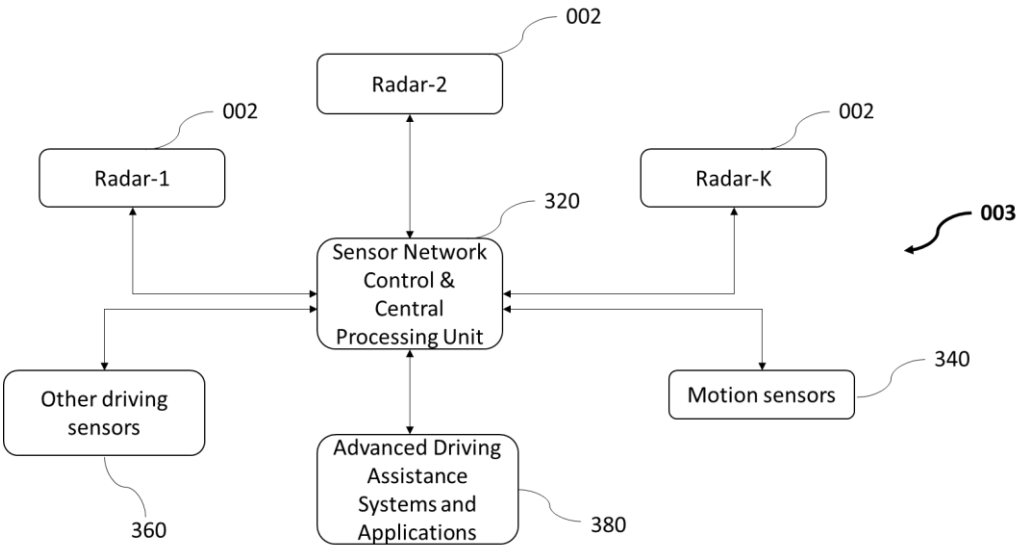


Figure-3: Distributed radar system

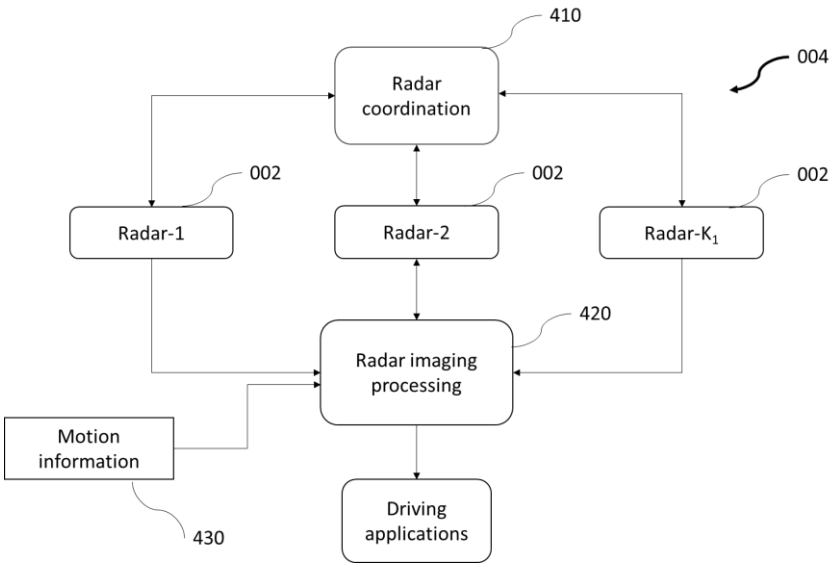


Figure-4: Distributed radar imaging system diagram

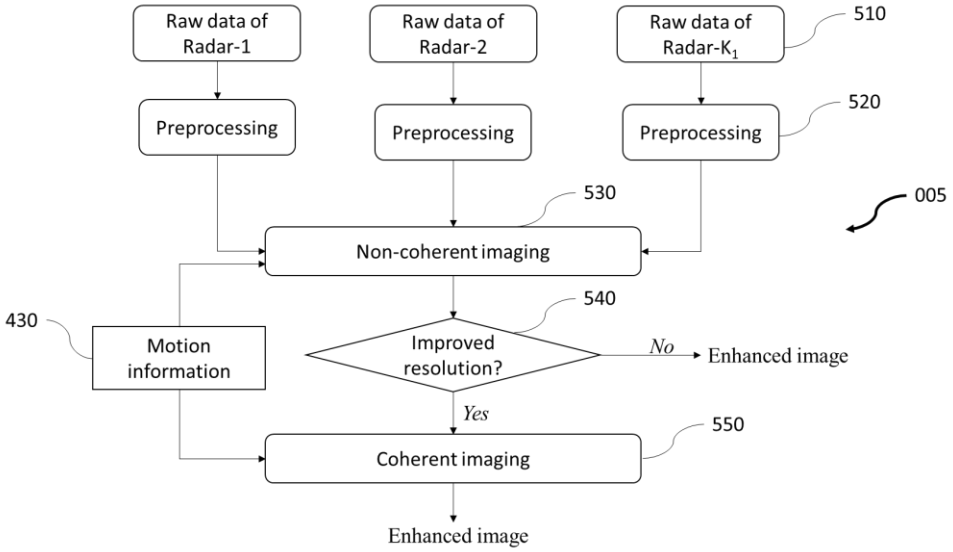


Figure-5: Distributed radar imaging processing diagram

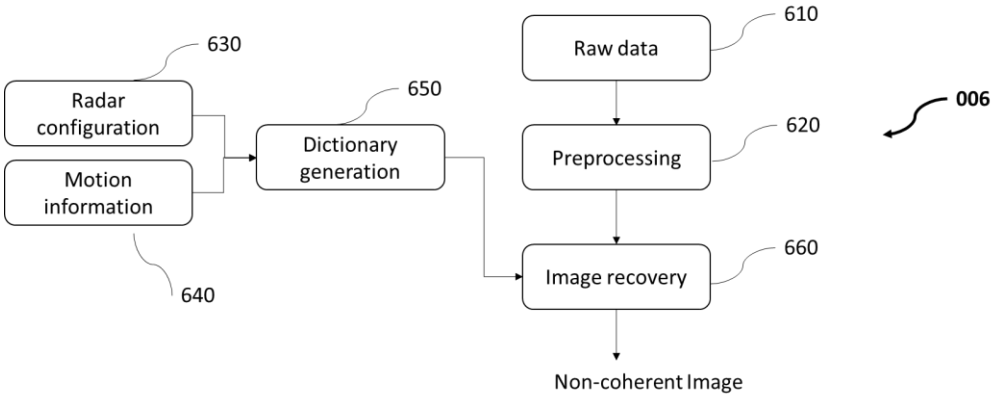


Figure-6: Non-coherent imaging processing diagram

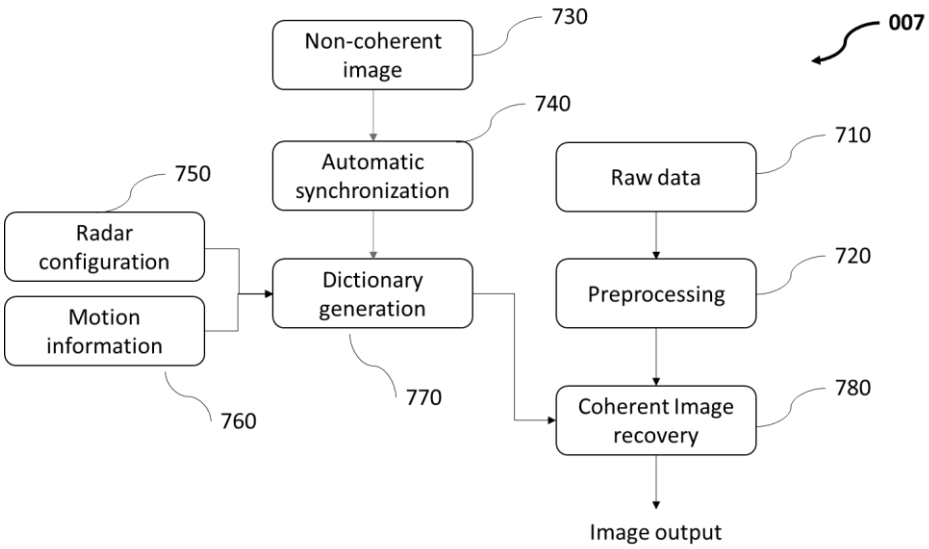


Figure-7: Coherent imaging processing diagram

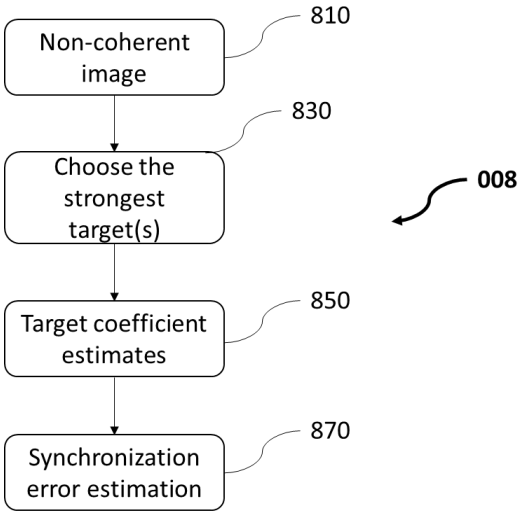
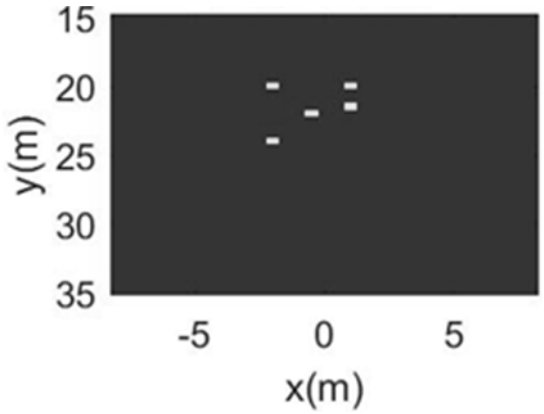
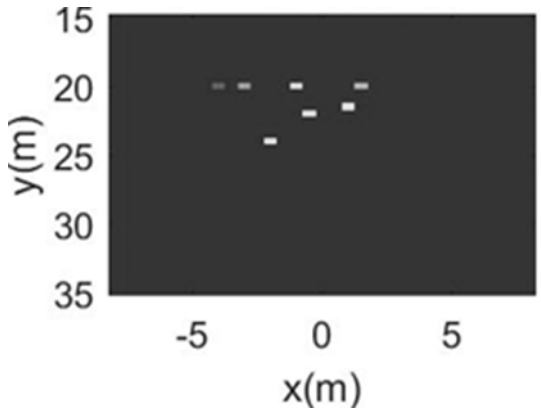


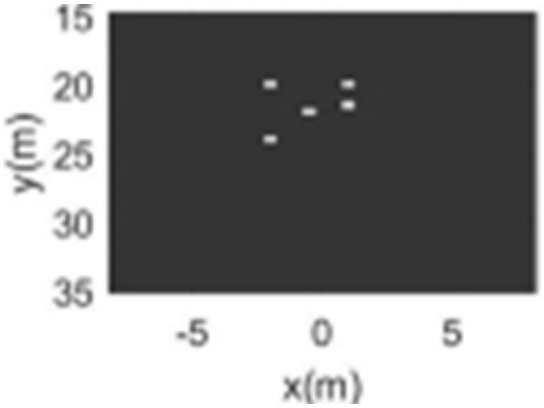
Figure-8: Automatic synchronization system



(a)

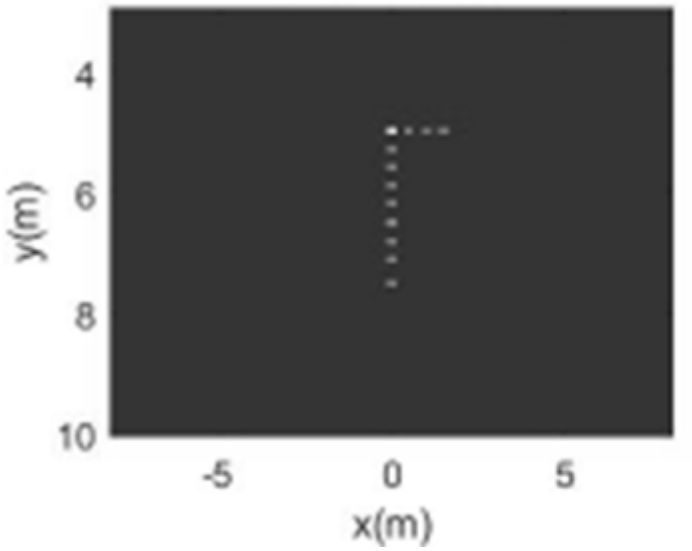


(b)

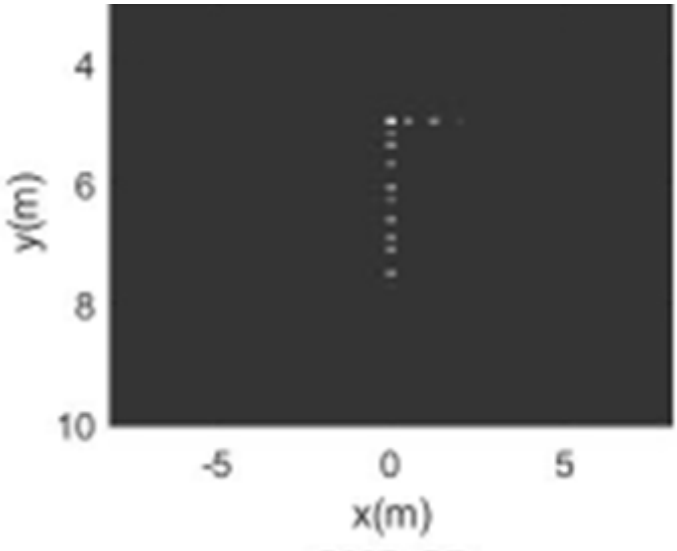


(c)

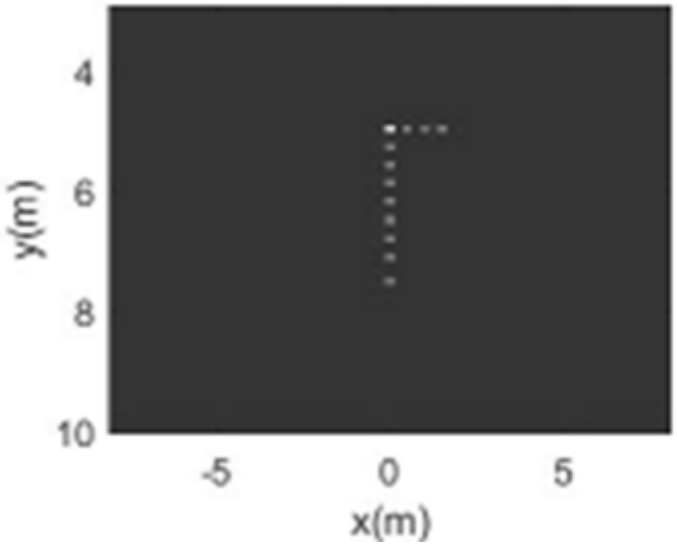
Figure-9: Performance illustration of non-coherent imaging scheme. (a) ground truth; (b) Single sensor image; (c) the non-coherent image in the patent.



(a)



(b)



(c)

Figure-10: Performance illustration of of coherent imaging scheme. (a) ground truth; (b) non-coherent image; (c) coherent image in the patent.