

Abstracts

Millimeter wave radar sensor for automotive intelligent cruise control (ICC)

M.E. Russell, A. Crain, A. Curran, R.A. Campbell, C.A. Drubin and W.F. Miccioli. "Millimeter wave radar sensor for automotive intelligent cruise control (ICC)." 1997 MTT-S International Microwave Symposium Digest 3. (1997 Vol. III [MWSYM]): 1257-1260.

An all-weather automotive MMW radar sensor is described that uses an FMCW radar design capable of acquiring and tracking all obstacles in its field of view. Design tradeoffs are discussed and radar sensor test results are presented along with the applicability of the radar to collision warning systems.

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