



INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification ⁶ : G01S 13/76	A1	(11) International Publication Number: WO 99/49335 (43) International Publication Date: 30 September 1999 (30.09.99)
(21) International Application Number: PCT/US99/02226 (22) International Filing Date: 2 February 1999 (02.02.99) (30) Priority Data: 09/046,374 23 March 1998 (23.03.98) US (71) Applicant: ATMEL CORPORATION [US/US]; 2325 Orchard Parkway, San Jose, CA 95131 (US). (72) Inventor: MALETSKY, Kerry; 1535 Ridgeview Circle, Monument, CO 80132 (US). (74) Agent: SCHNECK, Thomas; Law Offices of Thomas Schneck, P.O. Box 2-E, San Jose, CA 95109-0005 (US).		(81) Designated States: CA, CN, JP, KR, NO, SG, European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE). Published <i>With international search report.</i>
(54) Title: METHOD OF COMMUNICATION BETWEEN A PLURALITY OF REMOTE UNITS AND A CONTROL UNIT (57) Abstract In a communication system comprising a base station (10) and a plurality of asynchronously operating remote units (20, 22, 24, 26, 28), a method of communication between the base station and each of the remote units includes each remote unit randomly transmitting (208) a first bit pattern to the base unit. Upon detecting the reception of an error-free bit pattern, the base unit transmits (234) an ACK during a first window of time. The remote unit which detects the ACK during a corresponding first window of time becomes the selected unit and thereafter communicates (218) with the base station. All other remote units continue monitoring (214) for the transmission of a command belonging to a first set of commands, afterwhich the selected unit goes into a quiet mode and the unselected units resume their random transmissions of the first bit pattern to the base unit.		

