

Train Control System for Secondary Lines using Radio Communications in Specific Area

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The block system applying electronic token has been used in secondary lines since 1980s, and it has contributed to efficient administration. However, it is required to develop an alternative system at present due to termination of supply of spare equipment. Therefore, we have developed a new train control system applying 2.4GHz band radio, for which the license is not required. The system does not require replacement of the whole system, and has an excellent performance in system migration, because conventional equipment is used as much as possible. Simultaneously, it is easily able to introduce extended function and improve problems of conventional system. We performed a field test of the system, and confirmed that the system performed basic functions without any problems.