

Abstract

System, Method And Computer Program Product For Establishing A Private Cellular Network

A method for converting a conventional cellular network e.g. having nodes equipped with conventional modems operating in accordance with a cellular communication
5 protocol e.g. LTE and storing first orthogonal sequences, into a private cellular network, including coupling an (e.g. external) device to only nodes sought for the private cellular network, the device storing second orthogonal sequences not hard-coded in the modems, the device storing a one-to-one correspondence enabling translation of each second orthogonal sequence, to one of the first sequences. at least
10 when in a private network supporting mode, a device associated with a transmitting node sought for the private network, uses a processor to determine which first orthogonal sequence is being used, translate that sequence using the one-to-one correspondence into a second orthogonal sequence, and use the translated sequence to transmit a synchronization signal.

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Fig. 1