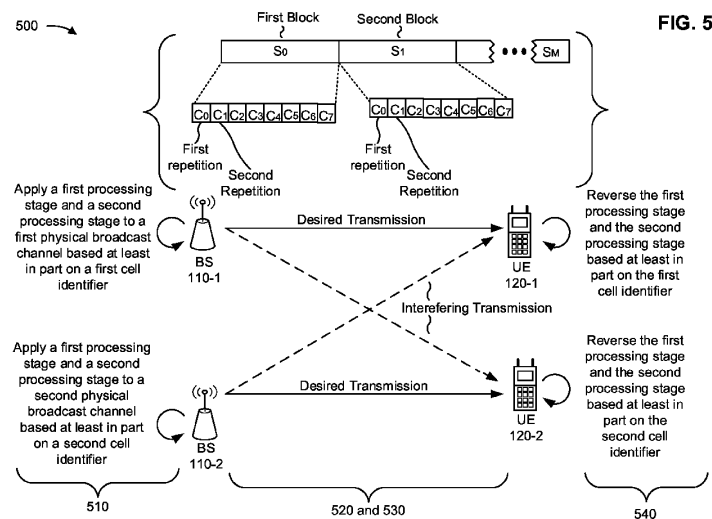




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(57) Abstract: A base station (BS) may transmit, and a user equipment (UE) may receive, a physical broadcast channel, such as a narrowband physical broadcast channel (NB-PBCH). In an interference-limited scenario with synchronous cells in a network, repetitions of a symbol being transmitted for a first physical broadcast channel of a first cell may collide with repetitions of a symbol being transmitted for a second physical broadcast channel of a second cell. This may result in the UE being unable to recover symbols of a physical broadcast channel. In some aspects, the BS may transmit, and the UE may receive, a physical broadcast channel including bits processed using a first processing stage, such as using first scrambling sequences, and a second processing stage, such as using second scrambling sequences, to compensate for the interference, thereby ensuring that the UE can recover the symbols of the physical broadcast channel.

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