

ABSTRACT**TRANSMITTER FOR MULTI-CARRIER TRANSMISSION AND MULTI-CARRIER TRANSMITTING METHOD**

The object of the present invention is to provide a transmitter for multi-carrier transmission for allocating
5 pilot channels to radio frames, in consideration of interference with other pilot channels.

The present invention relates to the transmitter for multi-carrier transmission configured to transmit a plurality of sub-carriers having at least one pilot symbol duration. The
10 transmitter according to the present invention comprises a pilot symbol allocator configured to allocate a plurality of pilot symbol patterns which are orthogonal to each other, to the at least one pilot symbol durations in at least two sub-carriers.

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Figure 4

