

Title (en)

TIMING ADJUSTMENTS FOR CHANNEL ESTIMATION IN A MULTI CARRIER SYSTEM

Title (de)

TIMING-ANPASSUNGEN FÜR KANALSCHÄTZUNGEN IN EINEM MEHRTRÄGERSYSTEM

Title (fr)

AJUSTEMENTS DE SYNCHRONISATION POUR ESTIMATION DE CANAL DANS UN SYSTÈME MULTI PORTEUSE

Publication

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Application

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Abstract (en)

[origin: WO2008109600A1] Apparatus and methods are provided for making timing adjustments in a multi carrier communications system. In an aspect, a timing correction method is provided for a multi-carrier system. This includes adjusting the time basis of two or more pilot interlaces with respect to each other (804) in order to account for timing differences between the interlaces when combining the interlaces, and then adjusting or matching the time bases of the combined interlaces with a symbol to be demodulated (806). The alignment and matching is performed in order to generate channel estimates for data demodulation (807). The channel estimates, thus generated, along with the timing alignment information are in turn used for determining timing corrections to be applied to demodulation of a particular symbol. Corresponding apparatus are also disclosed that implement the methodology.

IPC 8 full level

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