

RE-ORTHOGONALIZATION OF WIDEBAND CDMA SIGNALS**ABSTRACT**

A method and receiver which provides, among other features, for resubtraction of an already subtracted signal in order to eliminate subtraction errors, termed re-orthogonalization, is described herein. According to exemplary embodiments, pairwise combinations of spreading codes are used to despread received composite signals. For example, these pairwise combinations can include a first spreading code associated with a signal that has already been subtracted and a second spreading code associated with a signal which is weaker than that associated with the first spreading code. In this way both resubtraction and subtraction are performed at the same time.

No suitable figure