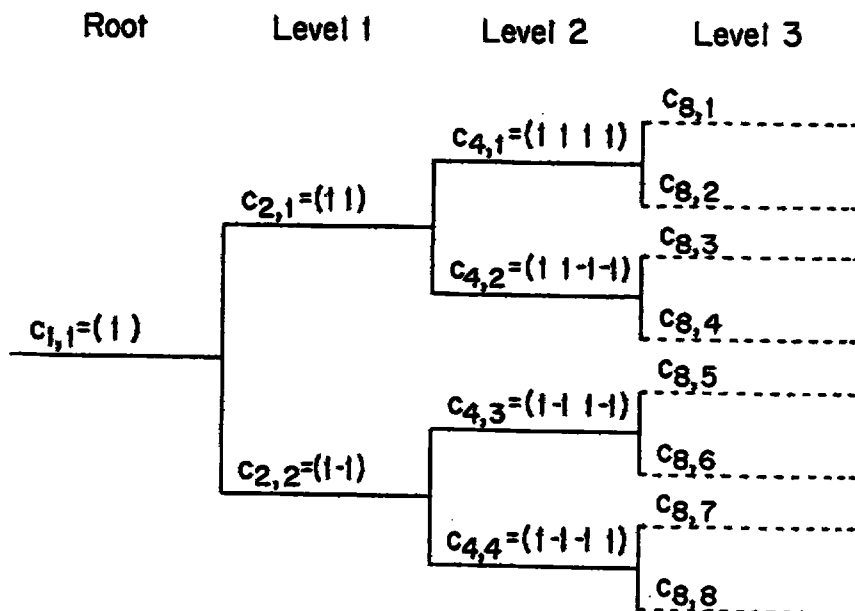




## INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

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(54) Title: CHANNELIZATION CODE ALLOCATION FOR RADIO COMMUNICATION SYSTEMS



## (57) Abstract

Variable spreading factors and multi-code transmissions are flexibly accommodated by assigning spreading codes in accordance with the described techniques. Spreading codes are assigned so that the control channel is orthogonal to all physical channels in the composite spread spectrum signal. Power balance between in-phase (I) and quadrature (Q) branches in the transmitter is also provided by assigning physical channels to appropriate branches and splitting physical channels, where necessary.