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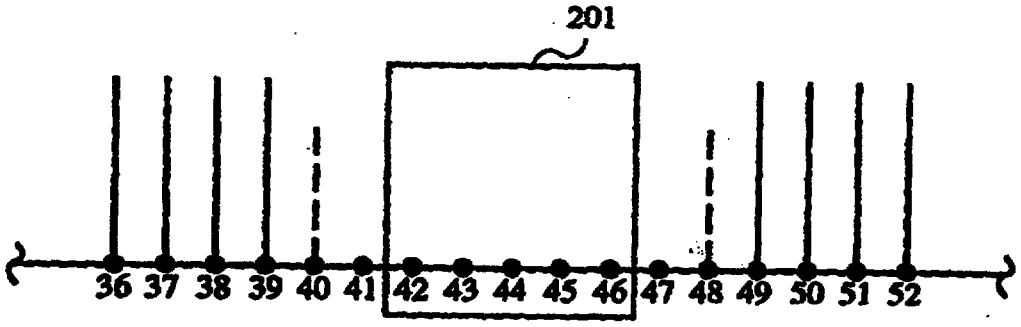
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(54) Title: MITIGATION OF RADIO FREQUENCY INTERFERENCE IN MULTI-CARRIER TRANSMISSION SYSTEMS



(57) Abstract

In a multi-carrier transmission system, in which interference is likely to occur within a restricted band, no subcarriers are used within that band. In addition, a dummy tone may be used to suppress transmitted power within the restricted band; and a quiet tone may be used to allow the receiver to detect and cancel interference from that band. The dummy tones and quiet tones may be close to the edges of the restricted band, either below, above or both. In particular, these measures are applied to VDSL systems, in which the restricted band (or bands) corresponds to amateur radio bands.