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(54) Title (EN): SYSTEM AND METHOD FOR LIMITING HISTOGRAMS

(54) Title (FR): SYSTEME ET PROCEDE DE LIMITATION D'HISTOGRAMMES

(57) Abstract:
(EN): Apparatus and methods for reducing data flow through a signal processing system are disclosed. A method according to the invention includes receiving (202) a set of tags from an input system, where each tag is associated with a pulse and includes a pulse characterization parameter that characterizes the associated pulse. The pulse characterization parameter (204) can be based on, for example, pulse center frequency, duration, or angle of arrival. The method includes identifying a subset of tags from the set of tags, where each tag in the subset includes a predefined value of the pulse characterization parameter. The subset of tags can be identified by histogramming (206) the set of tags based on the pulse characterization parameter. If the number of tags in the subset exceeds a threshold number (208), then the number of tags from the subset that is forwarded through the system is limited to no more than the threshold number of tags.

(FR): L'invention porte sur un appareil et un procédé permettant de réduire les flux de données au moyen d'un système de traitement des signaux. Ledit procédé consiste: à recevoir (202) d'un système d'introduction un ensemble de marqueurs dont chacun est associé à une impulsion et comprend un paramètre caractérisant l'impulsion associée, ledit paramètre (204) pouvant par exemple se baser sur la fréquence centrale de l'impulsion, sa durée ou son angle d'arrivée; puis à identifier dans l'ensemble des marqueurs un sous-ensemble de marqueurs dont chacun comporte une valeur prédéfinie du paramètre caractérisant l'impulsion. Le sous-ensemble de marqueurs peut être identifier par histogrammation (206) de l'ensemble de marqueurs sur la base du paramètre caractérisant l'impulsion. Si le nombre de marqueurs du sous-ensemble dépasse un nombre seuil (208), la quantité de ces marqueurs transmise par le système sera limitée au nombre de marqueurs fixé comme seuil.

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