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(54) Title (EN): A METHOD FOR REDUCING INTERFERENCE IN A SATELLITE COMMUNICATIONS NETWORK

(54) Title (FR): PROCÉDÉ POUR RÉDUIRE LE BROUILLAGE DANS UN RÉSEAU DE COMMUNICATION PAR SATELLITE

(57) Abstract:

(EN): The present invention provides a method for reducing interference to transmissions, occurring due to other transmissions sent from/to neighboring satellites using same frequencies and/or interference that occur due to other communications transmitted along different satellite's beams using the same frequencies, wherein the method comprises the step of replacing full dummy frames that should be transmitted in a TDM continuous satellite forward channel, by dummy frames' headers with or without a pilot sequence. Also, the dummy frames' headers and the pilot sequence if available, may be transmitted at a reduced power.

(FR): La présente invention concerne un procédé pour réduire le brouillage au niveau de transmissions, se produisant en raison d'autres transmissions envoyées à partir/à destination de satellites voisins à l'aide de fréquences identiques et/ou un brouillage qui se produit en raison d'autres communications transmises le long de différents faisceaux de satellite à l'aide des fréquences identiques, le procédé comprenant l'étape consistant à remplacer des trames factices entières qui doivent être transmises dans un canal de transfert par satellite continu TDM, par des en-têtes de trames factices avec ou sans séquence pilote. Également, les en-têtes des trames factices et la séquence pilote, si disponible, peuvent être transmis à une puissance réduite.

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