Title (en)

METHOD AND FILTER ARRANGEMENT FOR FILTERING MESSAGES THAT ARE RECEIVED VIA A SERIAL DATA BUS BY A USER NODE OF A COMMUNICATIONS NETWORK

Title (de)

VERFAHREN UND FILTERANORDNUNG ZUM FILTERN VON ÜBER EINEN SERIELLEN DATENBUS EINES KOMMUNIKATIONSNETZWERKS IN EINEM TEILNEHMER DES NETZWERKS EINGEHENDEN NACHRICHTEN

Title (fr)

PROCÉDÉ ET ENSEMBLE FILTRE POUR FILTRER DES MESSAGES ENTRANT PAR UN BUS DE DONNÉES SÉRIEL CHEZ UN ABONNÉ D'UN RÉSEAU DE COMMUNICATION

Publication

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Application

EP 09719700 A 20090305

Priority

- EP 2009052571 W 20090305
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Abstract (en)

[origin: WO2009112411A2] The invention relates to a method and a filter arrangement (6) for filtering messages (7) that are received via a serial data bus (2) of a communications network (1) by a communication module (4) of a user node (3) that is connected to the data bus (2). The aim of the invention is to simply and efficiently filter incoming messages (7) even with a large number of filter criteria. To achieve this, the filter arrangement (6) comprises a list, in which several identifier pairs (ID1, ID2) are stored, said pairs defining respective ranges delimited by a first identifier (ID1) and a second identifier (ID2). The identifier (8) of an incoming message (7) is at least compared to selected identifier pairs (ID1, ID2) from the list and a query requests whether the identifier (8) for the incoming message (7) is greater than, or greater than or equal to the selected first identifier (ID1) and less than, or less than or equal to the selected second identifier (ID2). The incoming message (7) is forwarded to the application (5) or rejected (depending on the configuration bit specification (SFM; EFM)), if the identifier (8) of the incoming message (7) lies within the range delimited by the first identifier (ID1) and the second identifier (ID2).

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

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