

Title (en)

METHOD, APPARATUS AND COMPUTER PROGRAM FOR ENCODING A BIT STRING

Title (de)

VERFAHREN, VORRICHTUNG UND COMPUTERPROGRAMM ZUR CODIERUNG EINER BITFOLGE

Title (fr)

PROCÉDÉ, APPAREIL ET PROGRAMME INFORMATIQUES DESTINÉS AU CODAGE D'UNE CHAÎNE DE BITS

Publication

**EP 2842231 A1 20150304 (EN)**

Application

**EP 13728836 A 20130426**

Priority

- GB 201207413 A 20120427
- IB 2013053307 W 20130426

Abstract (en)

[origin: GB2501527A] A run-length encoding method is selected (502) from a plurality of such methods based on content of a bit string (such as a traffic indication map TIM in Smart Meter networks). Encoding parameters (such as codeword length) are also selected (504) based on the content, and the bit string is encoded (506) according to the selected method and parameters. In various non-limiting examples: different run-length encoding methods are selected (508) based on whether the bit string has sequences of consecutive same-value bits interspersed with isolated. opposite-value bits or interspersed with sequences of consecutive opposite-value bits; the codeword length parameter is selected (510) based on how many consecutive same-value bits are in the bit string; and encoding entails disposing a marker between code words to indicate that the codeword continues.

IPC 8 full level

**H03M 7/46** (2006.01)

CPC (source: EP GB)

**H03M 7/46** (2013.01 - EP GB); **H04L 5/0094** (2013.01 - GB)

Citation (examination)

- EP 0729237 A2 19960828 - IBM [US]
- EP 0734126 A1 19960925 - IBM [US]
- See also references of WO 2013160876A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**GB 201207413 D0 20120613; GB 2501527 A 20131030; GB 2501527 B 20140312**; EP 2842231 A1 20150304; WO 2013160876 A1 20131031

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