

Title (en)
SYSTEM AND METHOD FOR COMMUNICATING USING FOUNTAIN CODES

Title (de)
SYSTEM UND VERFAHREN ZUM KOMMUNIZIEREN UNTER VERWENDUNG VON FOUNTAIN-CODES

Title (fr)
SYSTÈME ET PROCÉDÉ DE COMMUNICATION À L'AIDE D'UN CODE FONTAINE

Publication
EP 2329615 A2 20110608 (EN)

Application
EP 09791393 A 20090811

Priority

- US 2009053468 W 20090811
- US 8799508 P 20080811
- US 53875009 A 20090810

Abstract (en)
[origin: WO2010019615A2] A system and method for communicating wirelessly from a mobile device (12) to a remote receiver station (14) is disclosed. The system includes a controller (22) configured to monitor a status of the mobile device (12) and, upon an initiation event, initiate a data transfer process to wirelessly communicate data to the remote receiver station (14). The system also includes a voice-band modem (24) that, upon initiation of the data transfer process is configured to receive data for transfer to the remote receiver station (14), divide the source data into a collection source packets, and encode the data using a fountain code encoding protocol to form a series of encoded packets. The voice band modem (24) is also configured to transmit the series of encoded packets to the remote receiver station (14) as a burst including all of the source data and repeatedly transmit the encoded packets until receiving an indication that the series of packets including all of the source data has been received at the receiving station (14).

IPC 8 full level
H03M 13/11 (2006.01); **H03M 13/37** (2006.01); **H04L 1/00** (2006.01); **H04L 1/16** (2006.01); **H04L 1/18** (2006.01)

CPC (source: EP)
H04L 1/0003 (2013.01); **H04L 1/0009** (2013.01); **H04L 1/1671** (2013.01); **H04L 1/1819** (2013.01); **H04L 1/1896** (2013.01); **H04L 1/0061** (2013.01)

Citation (search report)
See references of WO 2010019615A2

Citation (examination)
WO 2008073093 A1 20080619 - THOMSON LICENSING [FR], et al

Designated contracting state (EPC)
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 SE SI SK SM TR

Designated extension state (EPC)
AL BA RS

DOCDB simple family (publication)
WO 2010019615 A2 20100218; **WO 2010019615 A3 20100422**; EP 2329615 A2 20110608

DOCDB simple family (application)
US 2009053468 W 20090811; EP 09791393 A 20090811