

Title (en)

A DECOMPOSITION TRANSMITTING SYSTEM AND METHOD FOR IMPROVING EFFICIENCY AND LINEARITY

Title (de)

ZERLEGUNGSÜBERTRAGUNGSSYSTEM UND VERFAHREN ZUR VERBESSERUNG DER EFFIZIENZ UND LINEARITÄT

Title (fr)

SYSTÈME ET PROCÉDÉ DE TRANSMISSION DE DÉCOMPOSITION DESTINÉS À AMÉLIORER L'EFFICACITÉ ET LA LINÉARITÉ

Publication

EP 2545644 A1 20130116 (EN)

Application

EP 10847574 A 20100312

Priority

SE 2010050279 W 20100312

Abstract (en)

[origin: WO2011112129A1] The present invention discloses a decomposition transmitting system comprising a data source block, a digital processing block, an amplifying block, a combining block, and an outputting block/monitor, the digital processing block comprising: one or more digital processing sub-blocks, each digital processing sub-block being configured to perform a mathematical transformation on its input signal, to decompose a signal from the data source block into a plurality of transformed signals, and each of the plurality of transformed signals being output to a corresponding input of the amplifying block, whereby the efficiency and linearity of the decomposition transmitting system are improved. A decomposition transmitting method is also disclosed.

IPC 8 full level

H03F 1/02 (2006.01); **H03F 1/30** (2006.01); **H03F 1/32** (2006.01); **H03F 3/189** (2006.01); **H03F 3/24** (2006.01)

CPC (source: EP)

H03F 1/0288 (2013.01); **H03F 1/30** (2013.01); **H03F 1/3247** (2013.01); **H03F 3/189** (2013.01); **H03F 3/211** (2013.01); **H03F 3/245** (2013.01); **H03F 2201/3209** (2013.01); **H03F 2201/3212** (2013.01); **H03F 2201/3224** (2013.01); **H03F 2201/3233** (2013.01); **H03F 2203/21106** (2013.01); **H03F 2203/21142** (2013.01)

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

DOCDB simple family (publication)

WO 2011112129 A1 20110915; CN 102906996 A 20130130; EP 2545644 A1 20130116; EP 2545644 A4 20130918; RU 2012142252 A 20140420

DOCDB simple family (application)

SE 2010050279 W 20100312; CN 201080065380 A 20100312; EP 10847574 A 20100312; RU 2012142252 A 20100312