Title (en)
  Method and system for calculating synthetic head related transfer functions by means of virtual local sound field synthesis

Title (de)
  Verfahren und System zur Berechnung synthetischer Außenohrübertragungsfunktionen durch virtuelle lokale Schallfeldsynthese

Title (fr)
  Procédé et système de calcul de fonctions HRTF par synthèse locale virtuelle de champ sonore

Publication
  EP 2503799 B1 20200701 (DE)

Application
  EP 11159001 A 20110321

Priority
  EP 11159001 A 20110321

Abstract (en)
  [origin: EP2503799A1] The method involves providing a database of pairs of outer ear transfer functions for multiple source positions, where each pair of outer ear transfer function is determined for one of the source positions by a measurement. Each pair of outer ear transfer function is interpreted as a respective virtual loudspeaker (6) which is arranged at the source position. An independent claim is also included for a system for executing a method for calculating synthetic outer ear transfer functions.

IPC 8 full level
  H04S 7/00 (2006.01)

CPC (source: EP)
  H04S 7/302 (2013.01); H04S 7/304 (2013.01); H04S 7/305 (2013.01); H04S 2420/01 (2013.01); H04S 2420/11 (2013.01); H04S 2420/13 (2013.01)

Cited by
  US10382880B2; US10547963B2; US10834519B2; US11272311B2; US11576004B2

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

DOCDB simple family (publication)
  EP 2503799 A1 20120926; **EP 2503799 B1 20200701**; ES 2812503 T3 20210317

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