

Title (en)

METHOD FOR RECONSTRUCTING AN IMAGE BASED ON COMPRESSED ACQUISITION OF MEASUREMENTS

Title (de)

VERFAHREN ZUR REKONSTRUKTION EINES BILDES AUF DER BASIS VON KOMPRIMIERTER ERFASSUNG VON MESSUNGEN

Title (fr)

METHODE DE RECONSTRUCTION D'UNE IMAGE A PARTIR D'UNE ACQUISITION COMPRIMEE DE MESURES

Publication

EP 4264553 A1 20231025 (FR)

Application

EP 21823852 A 20211201

Priority

- FR 2013539 A 20201217
- EP 2021083710 W 20211201

Abstract (en)

[origin: WO2022128465A1] Method for reconstructing an image I of an object comprising the steps of: - acquiring (201), in a vector m, a number p of object imaging measurements; - determining (202) a first matrix AT equal to the product of a projection matrix P defining a set of projection vectors and of a dictionary matrix D formed of the components of an image decomposition basis, - seeking (203) a parsimonious solution x, of size N strictly greater than d, to the underdetermined linear system $ATx=m$ - reconstructing (204) the image I through the product of the dictionary matrix D and of the vector x, which is the solution to said system.

IPC 8 full level

G06T 11/00 (2006.01)

CPC (source: EP)

G06T 11/006 (2013.01)

Citation (search report)

See references of WO 2022128465A1

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

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

WO 2022128465 A1 20220623; EP 4264553 A1 20231025; FR 3118251 A1 20220624; FR 3118251 B1 20221209

DOCDB simple family (application)

EP 2021083710 W 20211201; EP 21823852 A 20211201; FR 2013539 A 20201217