

Title (en)
PIXELATION RECONSTRUCTION FOR IMAGE RESOLUTION AND IMAGE DATA TRANSMISSION

Title (de)
PIXELATIONSREKONSTRUKTION FÜR BILDAUFLÖSUNG UND BILDDATENÜBERTRAGUNG

Title (fr)
RECONSTRUCTION PAR PIXELISATION POUR RESOLUTION D'IMAGES ET TRANSMISSION DE DONNEES D'IMAGE

Publication
EP 1382005 A1 20040121 (EN)

Application
EP 02725565 A 20020409

Priority
• US 0210994 W 20020409
• US 82858901 A 20010409
• US 35038402 P 20020124

Abstract (en)
[origin: WO02082357A1] Methods for improving spatial and/or temporal resolution of digital images and for improving image data transmission by a novel technique-back pixelation, which involves data processing and reconstruction of overlaid images from multiple acquisition or multiple sampling. In particular, the methods of this invention may be used in reducing the pixel size of a two-dimensional image or the voxel size of a three dimensional image, producing a two- or three-dimensional image from a multiplicity of images acquired from an object which are capable of overlaying one another by an increment, producing and transmitting a two- or three-dimensional image by multiple acquisitions according to an acquisition matrix, or transmitting a two- or three-dimensional image by reducing or decomposing the image to a plurality of image data packets and transmitting the same.

IPC 1-7
G06T 5/50; **G06K 9/32**

IPC 8 full level
G01R 33/54 (2006.01); **A61B 5/055** (2006.01); **G06T 3/40** (2006.01); **G06T 5/00** (2006.01); **G06T 5/50** (2006.01); **G06T 15/00** (2006.01); **H04N 1/387** (2006.01); **H04N 1/40** (2006.01)

CPC (source: EP)
G06T 3/4084 (2013.01); **G06T 5/73** (2024.01); **H04N 1/40** (2013.01); **G06T 2207/30004** (2013.01); **H04N 2201/0458** (2013.01)

Cited by
CN110827317A

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)
WO 02082357 A1 20021017; AU 2002256121 B2 20080501; CA 2443969 A1 20021017; CA 2443969 C 20110802; EP 1382005 A1 20040121; EP 1382005 A4 20051228; JP 2004534295 A 20041111

DOCDB simple family (application)
US 0210994 W 20020409; AU 2002256121 A 20020409; CA 2443969 A 20020409; EP 02725565 A 20020409; JP 2002580246 A 20020409