

Title (en)  
COMPRESSIVE SENSE IMAGING

Title (de)  
KOMPRESSIONSBLDGEBUNG

Title (fr)  
IMAGERIE DE DÉTECTION DE COMPRESSION

Publication  
**EP 3162073 A1 20170503 (EN)**

Application  
**EP 15741635 A 20150618**

Priority  
• US 201414319142 A 20140630  
• US 2015036314 W 20150618

Abstract (en)  
[origin: WO2016003655A1] Systems and methods for compressive sense imaging are provided. In one aspect, incident light reflecting from an object is received via an aperture array and a sensor and intermediate compressive measurements are generated using compressive sequence matrices that are determined based on the properties of the aperture array and the sensor. The intermediate compressive measurements are further processed to generate compressive measurements representing the compressed image of the object. An uncompressed image of the object is generated from the compressive measurements using a determined reconstruction matrix that is different from the sequence matrices used to acquire the intermediate compressive measurements.

IPC 8 full level  
**H04N 19/90** (2014.01); **G06T 11/00** (2006.01); **H03M 7/30** (2006.01); **H04N 5/225** (2006.01); **H04N 5/335** (2011.01)

CPC (source: EP)  
**G06T 11/006** (2013.01); **H03M 7/3062** (2013.01); **H04N 19/90** (2014.11); **H04N 23/955** (2023.01); **H04N 25/00** (2023.01)

Designated contracting state (EPC)  
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Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
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