

Information on Search Strategy - Pilot phase (see OJ 2015, A86)

The type of information contained in this sheet may change during the pilot for improving the usefulness of this new service.

Application Number

PCT/US2018/012164

TITLE: COMPRESSIVE SENSING WITH JOINT SIGNAL COMPRESSION AND QUALITY CONTROL

APPLICANT: ALCATEL-LUCENT USA INC

IPC CLASSIFICATION: H03M7/30, H04N19/132, H04N19/172, H04N19/146, H04N19/154, H04N19/94, H04N19/124

EXAMINER: Cyranka, Oliver

CONSULTED DATABASES: NPL, WPI, DOSYS, EPODOC, INSPEC, TXPJPEA, TXPJPEB, TXPJPOEA, TXPJPOEB, TXPKREA, TXPKREB, TXPKREU, TXPKREY, XPESP, XPETSI, XPIE3E, XPITU, XPVIDEO

CLASSIFICATION SYMBOLS DEFINING EXTENT OF THE SEARCH:

IPC:

CPC: H03M7/3062, H04N19/132, H04N19/124, H04N19/172, H04N19/146, H04N19/154, H04N19/94

FI/F-TERMS:

KEYWORDS OR OTHER ELEMENTS FEATURING THE INVENTION:

A scheme for compressing a media signal, e.g. an image, by compressed sensing (CS), determining a compression ratio and a quantization level based on a target indicator and based on a plurality of quantized test signals. The product of quantization level and compression ratio is assumed to be constant. A target indicator comprises a target data rate or a target quality of the reconstructed signal. Channel coding is added to the quantized compressed sensing measurements before transmission.