



TARGETED CORRECTION OF COMPRESSION ARTIFACTS

Improved visual rendering of digital images compressed

Technological benefits

Targeted correction of compression artifacts

Restore the natural instrumental noise altered by compression.

Hiding structured compression artifacts.

Targeted and effective correction of compression artifacts on too compressed areas.

Inclusion of different noise models

Parametrable or programmable noise models.

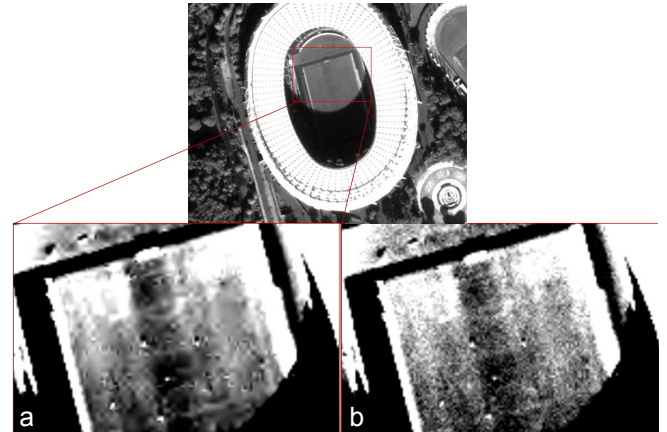


Image a

Without treatment of compression artifacts.

Image b

With treatment of compression artifacts.

Invention overview

Compression artifacts masking process by restoring the instrumental noise, taking into account a noise model and the type of compressor. It improves the visual rendering of photo or video.

Compatible with existing processes and supports.

Potential applications

Codecs, plugins

Video / TNT / VOD

Photography

Related patents

B 1322 - Enhancing compression of a digital image

Commercial benefits

Adaptability & modularity

Development of new compressors, codecs, photo / video plugins.

Software layer can be integrated into existing products.

Productivity

Image quality gain for a same volume of storage.

Improved quality compared to standard decompression (without restored)

Negligible CPU impact.

TRL : 6

Invention available under license.

Functional C codec available.

Pre-industrial model.