



# IMPROVING THE SHARPNESS OF AN IMAGE

*Procedure and apparatus for editing artefacts due to spectral folding or aliasing*

## Technological advantages

### Effective processing

Detection of aliasing of an edited digital image  
Generation of an over-sampled output image from an input image containing aliasing

### Practical procedure

Applicable to all types of image acquisition



Before/After processing for aliasing

## Summary of the invention

Procedure for correcting a digital image containing artefacts due to aliasing.

The spectral folding occurs when the sampling frequency of a continuous signal for the digitisation of said signal does not abide by Shannon's Theorem.

## Commercial benefits

### Universality

Processing of all types of digital image

## Potential applications

Spatial photography

Airborne photography

Amateur and professional photography

Video surveillance

Image production system

TRL: 4

*Patented invention, available under licence*