

Abstract**DEVICE AND METHOD FOR OPTICALLY ENCODING AN IMAGE**

According to a first aspect, the present description relates to a device for optically encoding an image, which device is intended to be observed in at least one first spectral band of observation. The encoding device comprises a supporting structure and a set of metal-dielectric-metal plasmonic antennae formed on said supporting structure, each plasmonic antenna being resonant at at least one wavelength comprised in said first spectral band of observation, the plasmonic antennae being arranged spatially on the supporting structure in such a way as to form at least one first spatial encoding of said image in said first spectral band of observation.

Figure 1B