ABSTRACT OF THE DISCLOSURE

SEMICONDUCTOR DEVICES GROWN IN SPHERICAL CAVITY ARRAYS AND ITS PREPARATION METHOD

A method for fabricating an array of semiconductor devices comprising the steps of providing a non-metallic substrate (100), placing a layer of spheres (200) on said substrate, reducing diameter of the spheres, encapsulating the spheres in a matrix of rigid material (300), finishing an upper surface of said matrix to expose (310) a portion of said spheres, removing the spheres to form an array of cavities (400) within said matrix, and forming features (500) in said cavities in contact (320) with said substrate (100) so as to form the device.

Figure 1 E1



162162



G00002