

HYBRID STRUCTURE FOR SURFACE ACOUSTIC WAVE DEVICE

ABSTRACT

The invention relates to a hybrid structure (100) for a surface acoustic wave device, comprising a useful layer (10) of piezoelectric material having a first free surface (1) and a second surface (2) disposed on a support substrate (20) that has a lower coefficient of thermal expansion than that of the useful layer (10). The hybrid structure is characterised in that the useful layer (10) comprises an area (30) of nanocavities (31).

Fig. 1