

HYBRID STRUCTURE FOR SURFACE ACOUSTIC WAVE DEVICE AND
ASSOCIATED MANUFACTURING PROCESS

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ABSTRACT

The invention relates to a hybrid structure (10) for a surface acoustic wave device comprising a working layer (1) of piezoelectric material assembled with a support substrate (2) having a lower coefficient of thermal expansion than that of the working layer (1), and an intermediate layer (3) located between the working layer (1) and the support substrate (2). The intermediate layer is a sintered composite layer (3), formed from powders of at least a first material and a second material different from the first.

Figure 1