

COMPOSITE STRUCTURE AND ASSOCIATED PRODUCTION METHOD

Abstract

The invention relates to a composite structure (9) for an acoustic wave device comprising a heterostructure (5) including: a useful layer (2) of piezoelectric material, having a first and a second face, the first face being arranged at a first bonding interface on a support substrate (1) having a coefficient of thermal expansion less than that of the useful layer (2), the composite structure (9) being characterised in that it comprises a functional layer (6) an entire surface of which is arranged at a second bonding interface on the second face of the useful layer (2) and having a coefficient of thermal expansion less than that of the useful layer (2). The invention also relates to a method for producing a composite structure (9).

[FIG.1c]