ABSTRACT

Electronic component, methods for manufacturing the same and use of graphene in an electronic component

The electronic component (2) comprises at least two superposed conducting or semiconducting layers (4 ;10 ,12 ;14,16).

According to one aspect of the invention, it comprises at least graphene layer (8) interposed between the conducting or semiconducting layers (4 ;10 ,12 ;14,16), the conducting or semiconducting layers (4 ;10 ,12 ;14,16) being electronically coupled through the thickness of said or each graphene layer (8).

Application notably to tunnel junctions either magnetic or not, to spin valves, to memristors...

Fig. 1