

METHOD FOR MANUFACTURING A FIELD EFFECT TRANSISTOR

ABSTRACT

A method for producing a field-effect transistor including

5 first-oxide-layer and second-oxide-layer and forming front-channel or back-channel in region where the first-oxide-layer and the second-oxide-layer are adjacent to each other, the method including: forming second-precursor-layer, which is precursor of the second-oxide-layer, so as to be in contact with first-precursor-layer, which

10 is precursor of the first-oxide-layer, and then converting the first-precursor-layer and the second-precursor-layer to the first-oxide-layer and the second-oxide-layer, respectively, the forming includes at least one of treatments (I) and (II) below: (I) treatment of: coating first-oxide-precursor-forming coating liquid that can form

15 precursor of first oxide and contains solvent; and then removing the solvent to form the first-precursor-layer which is the precursor of the first-oxide-layer; and (II) treatment of: coating second-oxide-precursor-forming coating liquid that can form precursor of second oxide and contains solvent; and then removing the solvent to form

20 the second-precursor-layer which is the precursor of the second-oxide-layer.

Fig. 1E