ABSTRACT

DOUBLE LAYER TRANSFER METHOD

A method of transferring a layer (1) comprising:

a) providing a layer (1) joined to an initial substrate with a binding energy E0;

b) bonding a front face (8) of the layer (1) on an intermediate substrate (5) according to an intermediate bonding energy Ei;

c) detaching the initial substrate from the layer (1);

e) bonding a rear face onto a final substrate (11) according to a final bonding energy Ef; and

f) debonding the intermediate substrate (5) from the layer (1) to transfer the layer (1) onto the final substrate (11);

step b) comprising a step of forming siloxane bonds Si-O-Si, step c) being carried out in a first anhydrous atmosphere and step f) being carried out in a second wet atmosphere such that the intermediate bonding energy Ei takes a first value Ei1 in step c) and a second value Ei2 in step f), with $Ei1 > E0$ and $Ei2 < Ef$.

Figure 1l