ABSTRACT

METHOD FOR TRANSFERRING A USEFUL LAYER

Method for transferring a useful layer (3) onto a support (4), including the following main steps:

- formation of a fragilization plane (2) through the implantation of light species into a first substrate (1) in such a way as to form a useful layer (3) between this plane and a surface of the first substrate (1);
- application of the support (4) onto the surface of the first substrate (1) to form an assembly to be fractured (5) having two exposed sides (S1, S2);
- thermal fragilization treatment of the assembly to be fractured (5);
- initiation and self-sustained propagation of a fracture wave in the first substrate (1) along the fragilization plane (2).

At least one of the sides (S1, S2) of the assembly to be fractured (5) is in close contact, over a contact zone, with an absorbent element (6a, 6b) suitable for capturing and dissipating acoustic vibrations emitted during the initiation and/or propagation of the fracture wave.

Figure 4