ABSTRACT

PROCESS FOR THE MANUFACTURE OF A COMPOSITE STRUCTURE

The invention relates to a process for the manufacture of a composite structure comprising the following stages:

a) Providing a donor substrate (10) comprising a first surface (20), and a support substrate (30);

b) Forming a zone of weakening (40) in the donor substrate (10), the zone of weakening (40) delimiting, with the first surface (20) of the donor substrate (10), a working layer (50);

c) Assembling the support substrate (30) and the donor substrate (10);

d) Fracturing the donor substrate along the zone of weakening;

e) Thinning the working layer (50) so as to form a thinned working layer (51);

the said manufacturing process being characterized in that stage b) is carried out so that the working layer (50) exhibits a thickness profile appropriate for compensating for the nonuniformity in consumption of the working layer (50) during stage e).

Fig. 2