

【ABSTRACT】

INTEGRATED COMPOSITE-MATERIAL VEHICLE BODY FOR A
TRANSPORTATION VEHICLE, AND A PRODUCTION METHOD THEREFOR

5 The present invention relates to a vehicle body formed
by a simultaneous curing method using a composite material,
and to a production method therefor. One aspect of the
present invention provides an integrated composite-material
vehicle body for a transport vehicle, characterized in that
10 it is obtained by integral forming in the shape of the
vehicle body, using a sandwich panel comprising: a core
material; an inner skin material which is made using a
prepreg of reinforcing fibres impregnated with a synthetic
resin and semi-cured, and which is adhere to the inside
15 surface of the core material; an outer skin material which is
made using a prepreg of reinforcing fibres impregnated with
synthetic resin and semi-cured, and which is adhered to the
outside surface of the core material; and a sheet metal
material which is inserted between the core material and the
20 outer skin material.

Figure 2 accompanies the abstract.