

Title (en)
METHOD FOR JOINING COMPONENTS

Title (de)
VERFAHREN ZUM FÜGEN VON BAUTEILEN

Title (fr)
PROCÉDÉ D'ASSEMBLAGE DE PIÈCES

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Application
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Abstract (en)
[origin: WO2010130438A1] The invention relates to a method for joining components (4, 6) made at least partially of thermoplastic material and of which at least one is reinforced with long fibers, wherein the components (4, 6) are welded to each other in a joint zone. The components (4, 6) are thereby welded in the joint zone (8) by means of heat input generated by laser radiation (10), wherein at least one (4) of the components (4, 6) is at least partially transparent to the laser radiation (10) and wherein the laser radiation (10) is at least partially absorbed by at least one (6) of the components (4, 6). According to the invention, the laser radiation (10) is absorbed essentially in fibers and/or in a fiber coating of the component reinforced with long fibers.

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