Title (en)

PREFORM PATCH AND METHOD OF SUBSEQUENT REINFORCEMENT OF A FIBRE COMPOSITE COMPONENT

Title (de)

PREFORM-PATCH UND VERFAHREN ZUR NACHTRÄGLICHEN VERSTÄRKUNG EINES FASERVERBUNDBAUTEILS

Title (fr)

PATCH DE PRÉFORME ET MÉTHODE DE RENFORCEMENT ULTÉRIEUR D'UN COMPOSANT COMPOSITE FIBREUX

Publication

EP 4392239 A1 20240703 (DE)

Application

EP 22769109 A 20220822

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- EP 2022073334 W 20220822

Abstract (en)

[origin: WO2023025725A1] What is proposed is the use of a preform patch (2) having, on its side facing the surface of the fibre composite component (8), at least one ply of a tearoff fabric (10) as first ply, above that at least one ply of a flow aid (12), and above that at least one ply of a vacuum film (14), wherein the at least one ply of the flow aid (12) is disposed in a distributor space (16) for distribution of the matrix material (6) over the fibre layer (4a) of a fibre material bounded on the outside by the vacuum film (14), and the preform patch (2) has a gas-permeable but matrix material-impermeable membrane (18) and a ply of a spacer fabric (20), wherein the space filled by the spacer fabric (20) forms a suction space (22) sealed in a matrix material-tight manner with respect to the distributor space (16).

IPC 8 full level

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