

Title (en)

Procedure for the fabrication of a fibrous preform made of fire-resistant fibres in order to produce a composite material.

Title (de)

Verfahren zur Fabrikation einer faserigen Rohrform gebildet aus feuerfesten Fasern zur Herstellung eines Verbundwerkstoffes.

Title (fr)

Procédé de fabrication d'une préforme fibreuse formée de fibres réfractaires pour la réalisation d'une pièce en matériau composite.

Publication

EP 0489637 B1 19950329 (FR)

Application

EP 91403260 A 19911202

Priority

FR 9015128 A 19901203

Abstract (en)

[origin: JPH0586534A] PURPOSE: To obtain a densified fibrous preform easily by forming a fibrous preform with a parallel and specific discontinuous fiber and a covering yarn, and then releasing a binding of the discontinuous fiber in a preform volume by eliminating the covering yarn. CONSTITUTION: A preform is obtained by uniting a discontinuous fiber group disposed parallel to one another without twist and made of carbon fibers, refractory fibers of ceramic fibers or its precursor with a covering yarn made of a soluble polymer of the discontinuous fiber group having denier less than 1/10, forming thus obtained yarn into a two dimensional fiber structure by weaving, eliminating the covering yarn in a bath of for example 80 deg.C, and treating several layers by needle punching.

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