

Title (en)

Method and apparatus for removal of substrate material by means of heated pressurized fluid stream.

Title (de)

Verfahren und Vorrichtung zum Entfernen von Material mittels erhitztem Druckflüssigkeitsstrahl.

Title (fr)

Procédé et appareil pour l'enlèvement de matière par jets de fluide chaud sous pression.

Publication

**EP 0537395 A1 19930421 (EN)**

Application

**EP 91309601 A 19911017**

Priority

EP 91309601 A 19911017

Abstract (en)

A method and apparatus for treatment of relatively moving substrate materials and the novel products produced thereby created by precise application of high temperature pressurized streams of fluid against the surface of the materials to melt and remove material which imparts a recessed channel to the materials that facilitates separation of the materials. The apparatus includes an elongate manifold for receiving heated pressurized fluid, such as air, disposed across the width of the relatively moving material and having a single slit the full width of the substrate for directing the fluid into the surface of the material. The substrate material is treated with an acrylic resin to eliminate jagged or frayed edges either prior to or after the melting and removal process by means of the high temperature pressurized fluid streams. <IMAGE>

IPC 1-7

**D06C 19/00**

IPC 8 full level

**D06C 19/00** (2006.01)

CPC (source: EP)

**D06C 19/00** (2013.01)

Citation (search report)

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- [A] US 4471514 A 19840918 - STOKES JIMMY L [US]
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- [A] FR 2261683 A7 19750912 - ZIMMER KG TAUNUS TEXTILDRUCK [DE]

Designated contracting state (EPC)

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