

Title (en)

Method and device for cutting knitted or woven goods and corresponding compound materials

Title (de)

Verfahren und Vorrichtung zum Schneiden von Strick- oder Webwaren sowie von entsprechenden Verbundmaterialien

Title (fr)

Procédé et dispositif de coupe de produits tricotés ou tissés ainsi que matériaux composites correspondants

Publication

EP 2177662 B1 20110105 (DE)

Application

EP 08018159 A 20081016

Priority

EP 08018159 A 20081016

Abstract (en)

[origin: EP2177662A1] The method involves utilizing a hot air jet (17), which is accelerated to supersonic speed, for cutting knitted or woven goods. A supersonic air jet is utilized with temperature of 400 degree Celsius, where the air jet is heated within a hot air cartridge (6) around temperature of 780 degree Celsius. The air jet is accelerated by the cartridge, and knitted or woven covering material for an automobile inner covering part is cut by supersonic air jet. The goods are provided with a composite material (18) selected from glass fiber mats, glass fiber or carbon fiber web or foam material. An independent claim is also included for a device for executing a method for cutting knitted or woven goods with a composite material.

IPC 8 full level

D06H 7/00 (2006.01); **B26F 3/00** (2006.01); **B26F 3/06** (2006.01)

CPC (source: EP)

B26F 3/004 (2013.01); **B26F 3/06** (2013.01); **D06H 7/00** (2013.01); **D06H 7/22** (2013.01); **B26D 7/086** (2013.01)

Cited by

CN107685361A; CN103046305A; CN108677515A; CN109895186A; CN103966741A

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

DOCDB simple family (publication)

EP 2177662 A1 20100421; **EP 2177662 B1 20110105**; AT E494418 T1 20110115; DE 502008002238 D1 20110217; PL 2177662 T3 20110630

DOCDB simple family (application)

EP 08018159 A 20081016; AT 08018159 T 20081016; DE 502008002238 T 20081016; PL 08018159 T 20081016