

Title (en)

Method for corrugated bonded or thermo-bonded fiberfill and structure thereof.

Title (de)

Verfahren zur Wellen und zur Verbinden oder thermisch Verbinden Füllmaterial und Gebilde desselben.

Title (fr)

Méthode pour onduler et lier ou lier thermiquement un garnissage fibreuse et sa structure.

Publication

EP 0558205 A1 19930901

Application

EP 93300982 A 19930211

Priority

US 84180592 A 19920226

Abstract (en)

A method for forming a corrugated structure from a fiber web comprises opening and carding a bale of fiber, forming the fiber web (40); alternately lapping the fiber web (40); and folding the fiber web at the alternating laps to form corrugations (21); spraying resin on the corrugated fiber web or melting fiber of low melting point incorporated in the fiber web and causing the resin or fiber of low melting point to bond the fiber web. The fiber web (40) can be sandwiched between a pair of outer webs with resin sprayed thereon and cured to assure the integrity of the sandwiched fiber web.
<IMAGE>

IPC 1-7

D04H 1/70

IPC 8 full level

D04H 1/74 (2006.01); **D04H 11/04** (2006.01); **E04B 1/76** (2006.01)

CPC (source: EP)

D04H 1/74 (2013.01); **D04H 11/04** (2013.01); **E04B 2001/7683** (2013.01)

Citation (search report)

- [Y] US 4129675 A 19781212 - SCOTT PAUL T
- [Y] EP 0350627 A1 19900117 - VYSOKA SKOLA STROJNI TEXTILNI [CS]
- [A] US 4576853 A 19860318 - VAUGHN EDWARD A [US], et al
- [A] US 2454175 A 19481116 - HIAVATY RUDOLPH F
- [A] FR 2117703 A1 19720728 - K BJURO

Cited by

US11192327B2; US5702801A; EP0831162A1; US5597427A; US5558924A; CN113293509A; CN112877915A; US6177369B1; WO0036199A1; WO0058540A1; EP0741827B2

Designated contracting state (EPC)

BE DE ES FR GB IT NL

DOCDB simple family (publication)

EP 0558205 A1 19930901; **EP 0558205 B1 19970806**; DE 69312763 D1 19970911; DE 69312763 T2 19980312; ES 2109431 T3 19980116

DOCDB simple family (application)

EP 93300982 A 19930211; DE 69312763 T 19930211; ES 93300982 T 19930211