

Title (en)  
AIR-CURED BATTING INSULATION

Title (de)  
LUFTGEHÄRTETE WATTIERUNGSISOLIERUNG

Title (fr)  
ISOLATION DE NAPPE OUAÉE DURCIE À L'AIR

Publication  
**EP 3532666 A4 20200708 (EN)**

Application  
**EP 17865837 A 20171031**

Priority

- US 201662415137 P 20161031
- US 2017059188 W 20171031

Abstract (en)  
[origin: WO2018081771A1] Air-cured batting includes a nonwoven web. The batting contains 75 to 97.5 wt % of fiber mixture, and 2.5 to 25 wt % of resin comprising a cross-linked copolymer of butyl acrylate and methyl methacrylate, wherein the resin is present on a first surface of the batting, and on a second surface of the batting, the second surface being parallel to the first surface, and wherein the resin is adhered to fibers of the fiber mixture, thereby forming a bonded structure, such that, by virtue of the resin, the air-cured batting has structural integrity that imparts handleability of the batting in sheet form. Articles comprising the air-cured batting and methods of making the air-cured batting are also provided.

IPC 8 full level  
**D04H 1/4374** (2012.01); **D04H 1/06** (2012.01); **D04H 1/4391** (2012.01); **D04H 1/587** (2012.01); **D04H 1/593** (2012.01); **D04H 1/64** (2012.01); **D04H 1/74** (2006.01); **D06M 15/263** (2006.01)

CPC (source: EP KR RU US)  
**D04H 1/06** (2013.01 - KR US); **D04H 1/4374** (2013.01 - EP KR RU US); **D04H 1/4391** (2013.01 - KR); **D04H 1/587** (2013.01 - EP KR); **D04H 1/593** (2013.01 - EP KR); **D04H 1/64** (2013.01 - EP KR); **D04H 1/641** (2013.01 - EP); **D04H 1/732** (2013.01 - EP KR US); **D04H 1/74** (2013.01 - EP KR); **D06M 15/263** (2013.01 - EP KR); **D04H 1/43912** (2020.05 - EP US); **D04H 1/43918** (2020.05 - EP US); **D10B 2101/10** (2013.01 - KR US); **D10B 2331/04** (2013.01 - KR US); **D10B 2401/04** (2013.01 - KR US)

Citation (search report)

- [X] EP 0365133 A1 19900425 - UNILEVER PLC [GB], et al
- [Y] EP 0687317 A1 19951220 - WACKER CHEMIE GMBH [DE]
- [Y] WO 2016118614 A1 20160728 - PRIMALOFT INC [US]
- [A] EP 1291368 A1 20030312 - SUMITOMO SEIKA CHEMICALS [JP]
- [Y] WO 2011034845 A1 20110324 - 3M INNOVATIVE PROPERTIES CO [US], et al
- [Y] US 2001031594 A1 20011018 - PEREZ MARIO A [US], et al
- [A] US 3959224 A 19760525 - COLEMAN LESTER EARL
- [A] US 3924033 A 19751202 - GAETH RUDOLF, et al
- [XY] DATABASE WPI Week 1968, 1968 Derwent World Patents Index; AN 1968-87917P, XP002799165
- [I] DATABASE WPI Week 201468, Derwent World Patents Index; AN 2014-S65601, XP002799166
- [Y] DATABASE WPI Week 199215, 1992 Derwent World Patents Index; AN 1992-118168, XP002799167
- See also references of WO 2018081771A1

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)  
**WO 2018081771 A1 20180503**; CN 109996913 A 20190709; CN 109996913 B 20220726; EP 3532666 A1 20190904; EP 3532666 A4 20200708; EP 3532666 B1 20240103; EP 3532666 C0 20240103; JP 2020502374 A 20200123; JP 7184767 B2 20221206; KR 102476962 B1 20221213; KR 20190072632 A 20190625; RU 2019116789 A 20201130; RU 2019116789 A3 20210226; RU 2754839 C2 20210908; TW 201827664 A 20180801; TW 1788308 B 20230101; US 2019249345 A1 20190815

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