

Title (en)  
Microfiber-containing fiber reinforced facer mats and the method of making

Title (de)  
Mikrofaserhaltige faserverstärkte Seitenmatten und Herstellungsverfahren

Title (fr)  
Parements renforcés de fibres contenant des microfibres et leur procédé de fabrication

Publication  
**EP 2612969 A3 20131106 (EN)**

Application  
**EP 13000048 A 20130107**

Priority  
US 201213345868 A 20120109

Abstract (en)  
[origin: EP2612969A2] Fiber-reinforced composite mats are described that include a non-woven web of fibers. The web of fibers may include a first group of fibers having an average fiber diameter from about 8  $\mu\text{m}$  to about 25  $\mu\text{m}$ , and a second group of fibers having an average fiber diameter from about 0.5  $\mu\text{m}$  to about 6.5  $\mu\text{m}$ . A binder bonds together the non-woven web of fibers into the fiber reinforced composite having an air permeability of 250 cfm/ft<sup>2</sup> or less. Also described are gypsum boards that include one or more facers affixed to at least one surface of the gypsum board. The facers may be made from the above, described fiber-reinforced composite mats.

IPC 8 full level  
**D21H 13/40** (2006.01); **E04C 2/04** (2006.01)

CPC (source: EP US)  
**D21H 13/40** (2013.01 - EP US); **E04C 2/043** (2013.01 - EP US); **Y10T 442/60** (2015.04 - EP US)

Citation (search report)

- [X] US 7842629 B2 20101130 - JAFFEE ALAN MICHAEL [US]
- [A] US 4637951 A 19870120 - GILL FREDERICK A [US], et al
- [A] EP 2083129 A2 20090729 - JOHNS MANVILLE [US]
- [A] EP 1283299 A2 20030212 - JOHNS MANVILLE INT INC [US]

Cited by  
EP2690217A1; US9267238B2; US10428450B2; WO2021061602A1

Designated contracting state (EPC)  
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