

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 A2 20130710 (EN)

Application

EP 13000048 A 20130107

Priority

US 201213345868 A 20120109

Abstract (en)

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 μm to about 25 μm , and a second group of fibers having an average fiber diameter from about 0.5 μm to about 6.5 μm . A binder bonds together the non-woven web of fibers into the fiber reinforced composite having an air permeability of 250 cfm/ft² 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 (applicant)

US 4129674 A 19781212 - HANNES GEORGE J, et al

Cited by

EP2690217A1; US9267238B2; US10428450B2; WO2021061602A1

Designated contracting state (EPC)

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EP 2612969 A2 20130710; **EP 2612969 A3 20131106**; **EP 2612969 B1 20160330**; ES 2568026 T3 20160427; US 2013178126 A1 20130711

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