Title (en)

Reinforced ceiling panels

Title (de)

Verstärkte Deckenplatte

Title (fr)

Panneaux de plafond renforcés

Publication

EP 0978602 A2 20000209 (EN)

Application

EP 99115279 A 19990802

Priority

US 13115398 A 19980807

Abstract (en)

The disclosure is for laminated reinforced fiber panels constructed of materials which would not be self supporting as individual layers. The panel is constructed with the center core structure (12) being a flexible fiber mat and the two outside reinforcing layers (14,16) adding just sufficient strength to prevent the entire panel from sagging. The reinforcing layers can be scrim, metal foil, metal foil and paper laminate, or mineral board, and they can be embossed or corrugated to add strength without additional material and weight. <IMAGE>

IPC 1-7

E04B 9/04

IPC 8 full level

E04B 9/04 (2006.01); **E04C 2/296** (2006.01); **E04F 13/08** (2006.01)

CPC (source: EP)

E04B 9/045 (2013.01); **E04B 9/0464** (2013.01); **E04C 2/296** (2013.01); **E04F 13/0875** (2013.01)

Cited by

EP3362614A4; CN104032890A; EP2356283A4; RU2596234C2; US2018245335A1; FR2859492A1; AT509485B1; EP2710197A4; CN103031898A; DE102016114314A1; US9845596B2; WO03023166A1; WO2017058461A1

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

EP 0978602 A2 20000209; **EP 0978602 A3 20001018**; CA 2279445 A1 20000207

DOCDB simple family (application)

EP 99115279 A 19990802; CA 2279445 A 19990730