

Title (en)
WALL DESIGN MADE OF PLATES

Title (de)
WANDKONSTRUKTION AUS PLATTEN

Title (fr)
CONSTRUCTION DE PAROI CONSTITUÉE DE PLAQUES

Publication
EP 2350404 B1 20180620 (DE)

Application
EP 08874021 A 20081221

Priority
• EP 2008011002 W 20081221
• DE 202008005770 U 20080425

Abstract (en)
[origin: WO2009129839A1] The invention describes the construction of more or less thin house walls, with supporting plates thereof being stabilized such that said plates utilize an insulating middle layer for stiffening across the cross section. In particular, natural stone plates are used, which become self-supporting wall and facade elements with the aid of fiber reinforcement. Fiber-stabilized stone panels comprising an insulating layer made of foam material in the middle layer are configured symmetrically and are thus dimensioned in such a way that they can absorb support loads and buckling loads while maintaining a comparatively very low weight.

IPC 8 full level
E04C 2/296 (2006.01); **E04C 2/38** (2006.01)

CPC (source: EP)
E04C 2/288 (2013.01); **E04C 2/296** (2013.01); **E04C 2/382** (2013.01); **E04C 2/386** (2013.01); **E04F 13/14** (2013.01)

Citation (examination)
• DE 29818660 U1 19990304 - BRAUNER SIEGFRIED [DE], et al
• NL 1023445 C1 20041117 - COMPOSITETEN TEAM B V [NL]

Cited by
WO2020141185A1; JP2022516659A; DE202021001119U1; DE202019000008U1

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

DOCDB simple family (publication)
DE 202008005770 U1 20081224; EP 2350404 A1 20110803; EP 2350404 B1 20180620; WO 2009129839 A1 20091029; WO 2009129839 A4 20091223

DOCDB simple family (application)
DE 202008005770 U 20080425; EP 08874021 A 20081221; EP 2008011002 W 20081221