

Title (en)

Prefabricated concrete panel with thermally insulating or lightening layer.

Title (de)

Vorgefertigtes Betonpaneel mit wärmeisolierender oder gewichtssparender Schicht.

Title (fr)

Panneau préfabriqué en béton avec couche isolée thermiquement ou allégée.

Publication

EP 0381000 A1 19900808 (EN)

Application

EP 90101213 A 19900122

Priority

IT 1924389 A 19890130

Abstract (en)

The panel comprises a reinforcement frame (2) substantially constituted by at least two longitudinal profiled elements (3a, 3b) and two transverse ones (4a, 4b) which perimetrically delimit the panel. The profiled elements are fixed in two concrete layers (7, 8) which constitute the two larger faces of the panel and are mutually spaced so as to define an interspace which accommodates the thermally insulating or lightening material layer (9).

IPC 1-7

E04C 2/04; E04C 2/20; E04C 2/38

IPC 8 full level

E04C 2/04 (2006.01); E04C 2/288 (2006.01); E04C 2/38 (2006.01)

CPC (source: EP)

E04C 2/044 (2013.01); E04C 2/288 (2013.01); E04C 2/384 (2013.01); E04C 2002/046 (2013.01)

Citation (search report)

- [X] US 4649682 A 19870317 - BARRETT JR DAVE D [US]
- [Y] US 3760540 A 19730925 - LATORIA P, et al
- [Y] US 4602467 A 19860729 - SCHILGER HERBERT K [CA]
- [Y] FR 2470213 A1 19810529 - TECH PROTECTION INCENDIE [FR]
- [Y] CH 452852 A 19680315 - CHAUSSON USINES SA [FR]
- [A] US 4489530 A 19841225 - CHANG CHI MING [TW]
- [A] US 1813909 A 19310714 - BRAINARD CLARENCE H, et al

Cited by

EP1887157A1; US5862639A; MD1511G2; IT201900001041A1; EP0903446A1; EP2401447A4; EP0615035A3; US5758463A; AT406917B; GB2297335A; US5136821A; NL2032089B1; EP0691441A1; EP1126096A3; ITUB20161207A1; EP2314789A3; US11519186B2; JP2020521074A; EP3835506A1; WO03027406A3; US9593487B2; US10156073B2; WO2007042748A1; US6945002B2; EP1126096A2; WO2023239236A1

Designated contracting state (EPC)

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