

Title (en)  
THERMAL BREAK FOR CONCRETE SLABS

Title (de)  
THERMISCHE TRENNUNG FÜR BETONPLATTEN

Title (fr)  
BARRIÈRE THERMIQUE POUR DALLES DE BÉTON

Publication  
**EP 3737799 B1 20221228 (EN)**

Application  
**EP 19738325 A 20190110**

Priority  
• US 2019013021 W 20190110  
• US 201862615499 P 20180110

Abstract (en)  
[origin: WO2019140071A1] A thermal break system for cast-in-place concrete slabs is provided that includes a load-bearing structural foam barrier designed to separate an interior portion of concrete slab from an exterior portion of concrete slab. The thermal break system includes a plurality of reinforcing tension bars holes passing through the insulating barrier. In addition, reinforcing shear bars are inserted through the insulating foam at a non-horizontal angle and bent such that the shear bars are horizontal on either side of the insulating barrier.

IPC 8 full level  
**E04B 1/00** (2006.01); **E04B 5/32** (2006.01)

CPC (source: EP US)  
**E04B 1/0038** (2013.01 - EP US); **E04B 5/32** (2013.01 - EP US)

Designated contracting state (EPC)  
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