

Title (en)  
Ultraflat heating assembly

Title (de)  
Ultraflache Heizanordnung

Title (fr)  
Ensemble de chauffage ultra-plat

Publication  
**EP 2600689 A1 20130605 (EN)**

Application  
**EP 11382371 A 20111201**

Priority  
EP 11382371 A 20111201

Abstract (en)  
The present invention relates to an ultraflat heating assembly for use in dry heat electric radiators, comprising a conductor wire (6) wound around a support body (1) made of insulating material having a flat and elongated configuration, wherein the conductor wire (6) transmits heat when electric current flows through said conductor wire (6), at least one insulation plate (2, 3) made of heat resistant and insulating material being attached to each face of the support body (1), the assembly comprising connectors (4) connected to each end of the conductor wire (6) for connection to an electric power system, and the assembly comprising a cap (5) made of insulating material arranged at each end of the support body (1), wherein said caps (5) are attached to the insulation plates (2, 3) and to the support body (1), closing and insulating the assembly from the outside.

IPC 8 full level  
**H05B 3/16** (2006.01); **H05B 3/42** (2006.01)

CPC (source: EP)  
**H05B 3/42** (2013.01); **H05B 2203/016** (2013.01)

Citation (applicant)  
• EP 1574803 B1 20091223 - BIURTU S A [ES]  
• ES 2338575 T3 20100510 - BIURTU S A

Citation (search report)  
• [Y] US 3821517 A 19740628 - ERICKSON E, et al  
• [Y] FR 2725337 A1 19960405 - SEB SA [FR]  
• [A] US 3808573 A 19740430 - CAPPELL C  
• [A] DE 202007010995 U1 20071011 - MICHILIN PROSPERITY CO LTD [TW]  
• [A] EP 0211491 A1 19870225 - NGK INSULATORS LTD [JP]

Cited by  
WO2018202961A1; FR3027184A1; FR3066010A1

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

Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
**EP 2600689 A1 20130605**

DOCDB simple family (application)  
**EP 11382371 A 20111201**