

Title (en)
Cable heating

Title (de)
Kabelheizung

Title (fr)
Câble chauffant

Publication
EP 2637473 A1 20130911 (EN)

Application
EP 13158168 A 20130307

Priority
GB 201203998 A 20120307

Abstract (en)
A cable heating system, heating cable and cable heating controller are described. The cable heating controller includes a source of electrical power for outputting electrical power to a heating cable. The heating cable includes at least one heating element and a calibration wire. The calibration wire and heating element have substantially the same length and the calibration wire has a substantially temperature independent resistance. The cable heating controller, includes a controller configured to determine the resistance of the calibration wire, calculate the length of the heating element from the determined resistance, determine the electrical power to output to the heating element using the calculated length and control the source of electrical power to deliver the determined electrical power to the heating element.

IPC 8 full level
H05B 1/02 (2006.01); **H05B 3/00** (2006.01); **H05B 3/34** (2006.01); **H05B 3/56** (2006.01)

CPC (source: EP GB)
H05B 1/0227 (2013.01 - EP); **H05B 3/0019** (2013.01 - GB); **H05B 3/0038** (2013.01 - GB); **H05B 3/34** (2013.01 - GB); **H05B 3/56** (2013.01 - GB)

Citation (search report)
• [XA] US 2003052121 A1 20030320 - SOPORY UMESH [US]
• [XA] US 4314145 A 19820202 - HORSMA DAVID A
• [XA] US 6288372 B1 20010911 - SANDBERG CHESTER L [US], et al
• [AD] US 2008251509 A1 20081016 - ROBST THOMAS [GB]

Cited by
CN105874670A; US9733201B2; WO2015073584A1

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)
GB 201203998 D0 20120418; GB 2495349 A 20130410; EP 2637473 A1 20130911; EP 2637473 B1 20140521

DOCDB simple family (application)
GB 201203998 A 20120307; EP 13158168 A 20130307