

Title (en)
Heating tape

Title (de)
Heizband

Title (fr)
Ruban de chauffe

Publication
EP 2592898 A2 20130515 (DE)

Application
EP 12191910 A 20121109

Priority
DE 102011055259 A 20111111

Abstract (en)
The heating tape (1) has two mutually parallel flat strip conductors (4) made of electrically conductive material, and support layer (3) made of insulating material. The conductors are spaced apart from each other on surface side of support layer. The ribs (5) made of carbon nanoparticle material are provided for interconnecting the strip conductors in electrically conductive manner. The thickness of ribs is set in the range of 10-1000 Nm, and gate width of ribs is set in the range of 1-20 mm. The distance between the adjacent ribs are set in the range of 1-20 mm. An independent claim is included for method for manufacturing heating tape.

Abstract (de)
Die Erfindung betrifft ein Heizband, umfassend zumindest zwei parallel zueinander verlaufende flache Leiterbahnen (4) aus einem elektrisch leitfähigen Material und eine Trägerschicht (3) aus einem isolierenden Material, wobei die Leiterbahnen (4) voneinander beabstandet auf einer Flächenseite der Trägerschicht (3) angeordnet sind und das Heizband (1) ferner Stege (5) aufweist, die zumindest zwei Leiterbahnen (4) elektrisch leitend miteinander verbinden. Dabei ist vorgesehen, dass die Stege (5) aus einem Material bestehen, das Kohlenstoff-Nanoteilchen enthält.

IPC 8 full level
H05B 3/56 (2006.01); **H05B 3/14** (2006.01)

CPC (source: EP)
H05B 3/145 (2013.01); **H05B 3/565** (2013.01); **H05B 2214/04** (2013.01)

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 2592898 A2 20130515; **EP 2592898 A3 20140611**; DE 102011055259 A1 20130516

DOCDB simple family (application)
EP 12191910 A 20121109; DE 102011055259 A 20111111