

Title (en)
Heatable film

Title (de)
Heizbare Folie

Title (fr)
Feuille pouvant être chauffée

Publication
EP 1924125 A1 20080521 (DE)

Application
EP 07118185 A 20071010

Priority
DE 102006054423 A 20061116

Abstract (en)
The foil (1) has an electrically conductive layer (2) including plastic material with electrical conductive additives in sub-areas. The additives are arranged and distributed such that maximum surface resistance of a surface (3) of the layer is 50 ohm per centimeter. A portion of the additives ranges from 20 to 50 percent of weight of the layer. The plastic material has a mixture of conductive soot and conductive material i.e. metal powder, as the additives. The plastic material consists of a polyurethane paste or PVC paste provided with an electrically conductive additive. Independent claims are also included for the following: (1) a seat heater for a seat of a motor vehicle (2) a method for the production of an electrical conductive layer for a plastic foil.

Abstract (de)
Elektrisch heizbare Kunststoff-Folie (1) mit einer elektrisch leitfähigen Schicht (2), die elektrisch leitfähige Additive enthält, wobei die Additive so angeordnet und verteilt sind, dass auf mindestens einer der Oberflächen der elektrisch leitfähigen Schicht der maximale Oberflächenwiderstand 50 Ohm /cm beträgt.

IPC 8 full level
H05B 3/34 (2006.01); **H05B 3/14** (2006.01); **H05B 3/20** (2006.01)

CPC (source: EP)
H05B 3/145 (2013.01); **H05B 3/146** (2013.01); **H05B 3/20** (2013.01); **H05B 3/34** (2013.01); **H05B 2203/017** (2013.01); **H05B 2203/029** (2013.01)

Citation (applicant)

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- DE 20108442 U1 20010830 - R & R COATING TECHNOLOGIES GMB [DE]
- DE 19726689 A1 19990107 - SCHUERMANN HEINRICH [DE]
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- GB 1354022 A 19740605 - KALLE AG, et al
- DE 7019121 U 19740829 - KALLE AG [DE], et al
- US 4833305 A 19890523 - MASHIMO SATOSHI [JP], et al
- US 4002779 A 19770111 - NISCHWITZ EHRENFRIED

Citation (search report)

- [X] GB 1354022 A 19740605 - KALLE AG, et al
- [X] DE 7019121 U 19740829 - KALLE AG [DE], et al
- [X] US 4833305 A 19890523 - MASHIMO SATOSHI [JP], et al
- [X] US 4002779 A 19770111 - NISCHWITZ EHRENFRIED
- [A] DE 1590362 A1 19700416 - FUJI PHOTO FILM CO LTD

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