

Title (en)

SYSTEM AND METHOD FOR AN ELECTRICAL DE-ICING COATING

Title (de)

SYSTEM UND VERFAHREN FÜR EINEN ELEKTRISCHEN ENTEISUNGSÜBERZUG

Title (fr)

SYSTEME ET PROCEDE PERMETTANT D'OBTENIR UN REVETEMENT DE DEGLA AGE ELECTRIQUE

Publication

**EP 1242280 A4 20060222 (EN)**

Application

**EP 00986766 A 20001228**

Priority

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- US 17392099 P 19991230

Abstract (en)

[origin: WO0149564A1] Figure 3 depicts a composite coating (100) for electrical de-icing, having cathode wires (102) and anode wires (104). Dielectric wires (106) form an insulating weave about wires (102) and (104) to prevent shorting. Wires (102) and (104) connect to power supply (18) such that appropriate current density affects ice adhering to coating (100).

IPC 8 full level

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CPC (source: EP KR)

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Citation (search report)

- [A] WO 9857851 A2 19981223 - DARTMOUTH COLLEGE [US]
- [A] GB 2252285 A 19920805 - BRITISH AEROSPACE [GB]
- [A] US 2496279 A 19500207 - ELY ROBERT S, et al
- [ADP] US 6027075 A 20000222 - PETRENKO VICTOR F [US]
- [A] US 4737618 A 19880412 - BARBIER PHILIPPE [FR], et al
- [AP] US 6145787 A 20001114 - ROLLS JOHN A [US]
- [AP] US 6031214 A 20000229 - BOST MICHEL [FR], et al
- [A] US 3825371 A 19740723 - RUSCH D, et al
- [A] US 3204084 A 19650831 - SPENCER JR JESSIE H, et al
- [A] US 4732351 A 19880322 - BIRD LARRY [US]
- [A] US 4760978 A 19880802 - SCHUYLER MARTIN [US], et al
- See references of WO 0149564A1

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DOCDB simple family (publication)

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