

Title (en)
HEATABLE VEHICLE WINDOW PANE

Publication
EP 0099034 A3 19840704 (DE)

Application
EP 83106430 A 19830701

Priority
DE 3226393 A 19820715

Abstract (en)
[origin: US4513196A] An electrically heatable self-defrosting windshield has a transparent panel, two low-resistance groups of wires embedded in the panel and defining a primary zone requiring rapid heating, and at least one high-resistance group of wires embedded in the panel and defining a secondary zone adjacent the primary zone and not requiring rapid heating. A switch connected to the wire groups and to an electric power source is movable between a fast-heat position connecting the two low-resistance groups in parallel with each other across the source and effectively disconnecting the high-resistance wires, and a slow-heat position connecting the two low-resistance groups in series with each other and jointly in parallel with the high-resistance groups across the source. The total resistance of the groups in the fast-heat position is generally the same as in the slow-heat position. Each wire group has a pair of transverse buses flanking the respective zone and connected to the switch means and the wires of each group extend longitudinally and generally parallel to one other between the respective buses.

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H05B 3/26

IPC 8 full level
B60S 1/02 (2006.01); **H05B 3/84** (2006.01)

CPC (source: EP US)
H05B 3/84 (2013.01 - EP US); **H05B 2203/002** (2013.01 - EP US); **H05B 2203/011** (2013.01 - EP US)

Citation (search report)

- [AD] DE 8004971 U1 19801211
- [A] US 3982092 A 19760921 - MARRIOTT JAMES G
- [A] FR 2075352 A5 19711008 - GERMANIA SPIEGELGLAS
- [A] FR 2242709 A1 19750328 - GLAVERBEL [BE]
- [A] DE 1912667 A1 19700924 - DETAG
- [A] DE 2707008 A1 19780824 - BAYERISCHE MOTOREN WERKE AG

Cited by
EA033461B1; EP0524537A3; US10375766B2; WO2016000927A1

Designated contracting state (EPC)
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EP 83106430 A 19830701; DE 3226393 A 19820715; JP 12628883 A 19830713; US 51415083 A 19830714