

Title (en)
WINDSHIELD WIPER DRIVE LINKAGE AND A WINDSHIELD WIPER ARM MANUFACTURING METHOD

Title (de)
ANTRIEBSGESTÄNGE FÜR WINDSCHUTZSCHEIBENWISCHER UND VERFAHREN ZUR HERSTELLUNG EINES WINDSCHUTZSCHEIBENWISCHERARMS

Title (fr)
MECANISME DE COMMANDE D'ESSUIE-GLACE ET PROCEDE DE FABRICATION D'UN BRAS D'ESSUIE-GLACE

Publication
EP 1551678 A1 20050713 (EN)

Application
EP 03765786 A 20030718

Priority

- US 0322621 W 20030718
- US 20011102 A 20020719
- US 19952102 A 20020719
- US 19970102 A 20020719
- US 19973002 A 20020719

Abstract (en)
[origin: WO2004009416A1] This invention relates to windshield wiper system (10) and method which utilizes a flexible member (28) to account for compression loads in excess of a predetermined load. Such as 30 percent, greater than a maximum load for the flexible member (28). The system (10) utilizes a flexible pultruded composite material having a relatively low modulus of elasticity, yet relatively high elongation characteristics. The flexible arm (28) bends to facilitate preventing damage to components in the wiper system (10) when a compressive load applied to the flexible member is in excess of the predetermined load. The flexible arm (28) has a plurality of surface grooves (104) provided at its ends and a connector (32, 34) overmolded onto each end.

IPC 1-7
B60S 1/24

IPC 8 full level
B60S 1/20 (2006.01); **B29C 70/74** (2006.01); **B60S 1/06** (2006.01); **B60S 1/24** (2006.01); **F16C 7/02** (2006.01); **F16C 7/04** (2006.01)

CPC (source: EP)
B29C 70/74 (2013.01); **B60S 1/24** (2013.01); **B60S 1/245** (2013.01); **F16C 7/02** (2013.01); **F16C 7/04** (2013.01); **B29L 2031/305** (2013.01); **F16C 2326/09** (2013.01)

Citation (search report)
See references of WO 2004009416A1

Citation (examination)
FR 2670255 A1 19920612 - SYSTEME SA [FR]

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)
WO 2004009416 A1 20040129; EP 1551678 A1 20050713; JP 2005533715 A 20051110

DOCDB simple family (application)
US 0322621 W 20030718; EP 03765786 A 20030718; JP 2004523157 A 20030718