

Title (en)  
360 DEGREE AUTOMOBILE VIDEO CAMERA SYSTEM

Title (de)  
360-GRAD-AUTOMOBILVIDEOKAMERASYSTEM

Title (fr)  
SYSTEME DE CAMERA VIDEO A 360 DEGRES POUR VEHICULE

Publication  
**EP 1464177 A4 20050105 (EN)**

Application  
**EP 01990801 A 20011203**

Priority  
US 0145820 W 20011203

Abstract (en)  
[origin: WO03049446A1] The present invention relates to a video camera system which has a 360 degree range for video recording inside and outside of vehicle such as but not limited to an automotive vehicle. The camera housing (5) may have any geometric shape and can either be formed as part of the housing of a rear view mirror (8) of the automotive vehicle (1) or as a housing separate from the housing of the rear view mirror of the automotive housing.

IPC 1-7  
**H04N 7/18; B60R 1/00**

IPC 8 full level  
**G03B 15/00** (2006.01); **B60R 1/00** (2006.01); **B60R 1/12** (2006.01); **B60R 11/02** (2006.01); **B60R 11/04** (2006.01); **F16M 11/04** (2006.01); **F16M 11/10** (2006.01); **G07C 5/08** (2006.01); **H04N 7/18** (2006.01)

CPC (source: EP KR US)  
**B60R 1/12** (2013.01 - EP); **B60R 1/27** (2022.01 - EP KR US); **G07C 5/0891** (2013.01 - EP); **H04N 7/18** (2013.01 - KR); **H04N 7/183** (2013.01 - EP); **B60R 11/04** (2013.01 - EP); **B60R 2001/1253** (2013.01 - EP); **B60R 2300/102** (2013.01 - EP)

Citation (search report)

- [X] US 5978017 A 19991102 - TINO JERALD N [US]
- [E] PATENT ABSTRACTS OF JAPAN vol. 2002, no. 06 4 June 2002 (2002-06-04)
- [A] PATENT ABSTRACTS OF JAPAN vol. 2000, no. 21 3 August 2001 (2001-08-03)
- See also references of WO 03049446A1

Designated contracting state (EPC)  
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)  
**WO 03049446 A1 20030612**; AU 2002230564 A1 20030617; CA 2469181 A1 20030612; CA 2469181 C 20081014; CN 1559147 A 20041229; EP 1464177 A1 20041006; EP 1464177 A4 20050105; EP 1961614 A2 20080827; EP 1961614 A3 20090114; JP 2005511994 A 20050428; JP 4043439 B2 20080206; KR 100894749 B1 20090424; KR 20040053380 A 20040623; MX PA04005354 A 20050331

DOCDB simple family (application)  
**US 0145820 W 20011203**; AU 2002230564 A 20011203; CA 2469181 A 20011203; CN 01823850 A 20011203; EP 01990801 A 20011203; EP 08010972 A 20011203; JP 2003550505 A 20011203; KR 20047008141 A 20011203; MX PA04005354 A 20011203