Title: OUTSIDE, VEHICLE REARVIEW MIRROR SYSTEM FOR BACKING

Abstract: An outside system for a vehicle includes at least one exterior mirror having at least a pair of reflective elements, a positioning device for selectively positioning each reflective element independently one from the other, wherein one segment is automatically, independently, downwardly directed on an area adjacent the side of the vehicle when the vehicle is placed in reverse. A housing for the reflective elements can also be provided. A control is responsive to the vehicle reverse gear selector being in reverse gear for causing the positioning device to independently position one reflective element to a downwardly tilted position. The pair of reflective elements is remotely adjustable, and for driver rearward viewing when the car is in forward motion and only provides a split view during backing. Once the backing maneuver is complete the downward directed element returns to its original position.
INTERNATIONAL SEARCH REPORT

A. CLASSIFICATION OF SUBJECT MATTER
IPC(7) : G02B 5/08, 7/182
US CL. : 359/862, 871
According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
U.S.: 359/862, 871, 841, 843, 850, 855, 865, 866, 872, 877

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
NONE

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
Please See Continuation Sheet

C. DOCUMENTS CONSIDERED TO BE RELEVANT

<table>
<thead>
<tr>
<th>Category</th>
<th>Citation of document, with indication, where appropriate, of the relevant passages</th>
<th>Relevant to claim No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Y</td>
<td>US 4,022,520 A (SCIFRES) 10 May 1977 (10.05.1977), Figure 2; column 2, line 11.</td>
<td>1-22</td>
</tr>
<tr>
<td>Y</td>
<td>US 4,890,907 A (VU et al) 02 January 1990 (02.01.1990), Figure 6; column 1; column 2, lines 39-42.</td>
<td>1-22</td>
</tr>
<tr>
<td>Y</td>
<td>US 5,052,792 A (MCDONOUGH) 01 October 1991 (01.10.1991), Figure 2.</td>
<td>7, 8, 15, 16</td>
</tr>
<tr>
<td>Y</td>
<td>JP 58-4647 A (MURAKI) 01 November 1983 (01.11.1983), Figures 5 and 6.</td>
<td>7, 8, 15, 16</td>
</tr>
<tr>
<td>A</td>
<td>GB 2194763 A (KANAMORI) 16 March 1988 (16.03.1988), see entire document.</td>
<td>1-22</td>
</tr>
</tbody>
</table>

☐ Further documents are listed in the continuation of Box C. ☐ See patent family annex.

* Special categories of cited documents:

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"&" document member of the same patent family

Date of the actual completion of the international search
06 April 2005 (06.04.2005)

Date of mailing of the international search report
04 May 2005

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Form PCT/ISA/210 (second sheet) (January 2004)
Continuation of B. FIELDS SEARCHED Item 3:

EAST: US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT

search terms: (359/843).CCLS.; (359/850,865,866).CCLS.; (359/843).CCLS. and (359/850,865,866).CCLS.;
(359/841,843,872,877,865,866,850).CCLS.; (back$4 or reverse) near$5 (car or vehicle or automobile or truck); (position$4 or move or moving or moved or movable or adjust$4) near$4 mirror; (back$4 or reverse) near$5 (car or vehicle or automobile or truck) and (position$4 or move or moving or moved or movable or adjust$4) near$4 mirror; (back$4 or reverse) near$5 (car or vehicle or automobile or truck) same (position$4 or move or moving or moved or movable or adjust$4); (359/841,843,872,877,865,866,850).CCLS. and (back$4 or reverse) near$5 (car or vehicle or automobile or truck) same (position$4 or move or moving or moved or movable or adjust$4) near$4 mirror; automatic$4; (359/841,843,872,877,865,866,850).CCLS. and (back$4 or reverse) near$5 (car or vehicle or automobile or truck) same (position$4 or move or moving or moved or movable or adjust$4) near$4 mirror and automatic$4; "rearview mirror" or "rear view mirror" or "side mirror" or "back mirror"; (back$4 or reverse) near$5 (car or vehicle or automobile or truck) same (position$4 or move or moving or moved or movable or adjust$4) near$4 mirror and automatic$4 and "rearview mirror" or "rear view mirror" or "side mirror" or "back mirror"; 359/855,865,866.CCLS.