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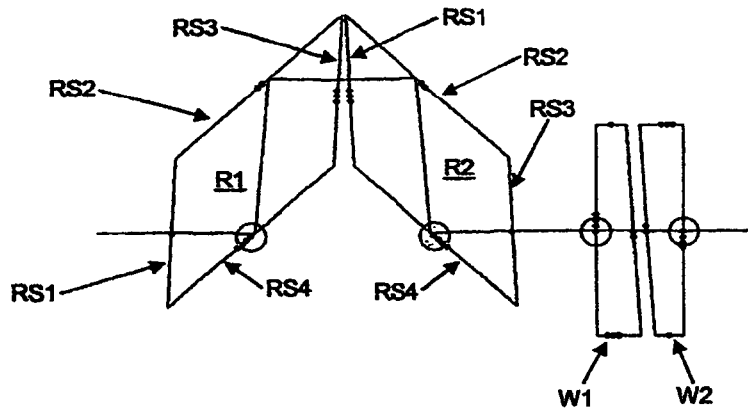
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(54) **Title:** DEVIATION ANGLE SELF COMPENSATING SUBSTANTIALLY ACHROMATIC RETARDER



(57) **Abstract:** A substantially achromatic multiple element compensator system (R1, R2, W1, W2) for use in wide spectral range (for example, 190 - 1700 nm) rotating compensator spectroscopic ellipsometer and/or polarimeter systems. Multiple total internal reflections enter retardance into an entered beam of electromagnetic radiation, and the elements (R1, R2, W1, W2) are oriented to minimize changes in the net retardance vs. the input beam angle resulting from changes in the position and/or rotation of the system of elements.



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## INTERNATIONAL SEARCH REPORT

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<b>B. FIELDS SEARCHED</b> Minimum documentation searched (classification system followed by classification symbols) U.S. : 356/364,365,366,367,368; 359/494,496,497  Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched  Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) EAST		
<b>C. DOCUMENTS CONSIDERED TO BE RELEVANT</b>		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US (2006/00223308) A1 (HUNT) 2 February 2006 (02.02.2006), see entire patent	1-34
A	US 2002/018 1101 A1 (APPEL) 5 December 2002 (05. 12.2002), see entire patent	1-34
A	US 5,75 1,482 (CHALLENGER, IV) 12 May 1998 (12.05. 1998), see entire patent	1-34
<input type="checkbox"/> Further documents are listed in the continuation of Box C. <input type="checkbox"/> See patent family annex.		
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