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(54) **ARRAY WAVEGUIDE DIFFRACTION GRATING TYPE OPTICAL MULTIPLEXER/BRANCHING FILTER**

OPTISCHER MULTIPLEXER/VERZWEIGUNGSFILTER DES ARRAY-
WELLENLEITERBEUGUNGSGITTERTYPUS

MULTIPLEXEUR OPTIQUE / FILTRE DE DERIVATION DU TYPE A RESEAU DE DIFFRACTION
SELECTIF PLANAIRE

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(56) References cited:
EP-A- 0 947 860 EP-A2- 1 219 983
JP-A- 4 241 304 JP-A- 5 157 920
JP-A- 2000 292 634 JP-A- 2002 006 157

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- **PATENT ABSTRACTS OF JAPAN vol. 2000, no. 13, 5 February 2001 (2001-02-05) -& JP 2000 292634 A (SUMITOMO ELECTRIC IND LTD), 20 October 2000 (2000-10-20)**
- **HIROSHI TAKAHASHI ET AL: "POLARIZATION-INSENSITIVE ARRAYED-WAVEGUIDE GRATING WAVELENGTH MULTIPLEXER ON SILICON" OPTICS LETTERS, OSA, OPTICAL SOCIETY OF AMERICA, WASHINGTON, DC, US, vol. 17, no. 7, 1 April 1992 (1992-04-01), pages 499-501, XP000262595 ISSN: 0146-9592**
- **WILDERMUTH E. ET AL. ELECTRONICS LETTERS vol. 34, no. 17, 20 August 1998, pages 1661 - 1663, XP002166386**

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|---|---|
| <ul style="list-style-type: none">• ABE M. ET AL. THE 4TH MICRO OPTICS CONFERENCE AND THE 11TH TOPICAL MEETING ON GRADIENT-INDEX OPTICAL SYSTEMS (MOC/GRIN'93) TECHNICAL DIGEST 20 October 1993 - 22 October 1993, pages 66 - 69, XP002964316 | <ul style="list-style-type: none">• SUZUKI S. ET AL. ELECTRONICS LETTERS vol. 33, no. 13, 19 June 1997, pages 1173 - 1174, XP006007651• INOUE Y. ET AL. OPTICAL FIBER COMMUNICATION CONFERENCE AND EXHIBIT 2001 (OFC 2001) vol. 3, 17 March 2001 - 22 March 2001, page WB4-1, 4-3, XP001076361 |
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