

JS005872880A

United States Patent [19]

Maynard

4,923,745

[11] Patent Number: 5,872,880 [45] Date of Patent: Feb. 16, 1999

[54]	HYBRID-OPTICAL MULTI-AXIS BEAM STEERING APPARATUS					
[75]	Inventor: Ronald S. Maynard, 777 Hollenber #15Q, Sunnyvale, Calif. 94087					
[73]	Assignee:	Rona	ald S. Maynard, San Jose, Calif.			
[21]	Appl. No.: 695,717					
[22]	Filed:	Aug.	. 12, 1996			
[51] [52]	Int. Cl. ⁶ G02B 6/36 U.S. Cl. 385/88; 385/18; 385/19; 385/83					
[58]	Field of S	Search				
[56]		Re	eferences Cited			
	U	.S. PA	TENT DOCUMENTS			
			Auracher et al			

5/1990 Blonder

5,208,880	5/1993	Riza et al.	385/25
5,325,116	6/1994	Sampsell	346/108
5,448,546	9/1995	Pauli	369/112
5,504,614	4/1996	Webb et al	359/223

FOREIGN PATENT DOCUMENTS

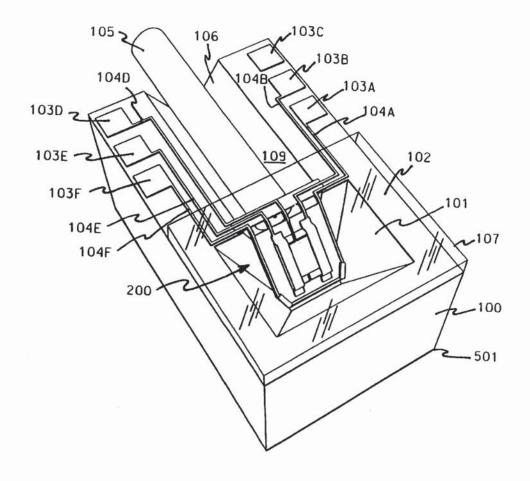
0 331 331 A2	6/1989	European Pat. Off.	G02B 6/42
0 614 101 A2	7/1994	European Pat. Off.	G02B 26/08
0 650 133 A2	4/1995	European Pat. Off.	G06K 7/10
WO95/13638	5/1995	WIPO	H01S 3/085

Primary Examiner—Hung N. Ngo Attorney, Agent, or Firm—Wilson Sonsini Goodrich & Rosati

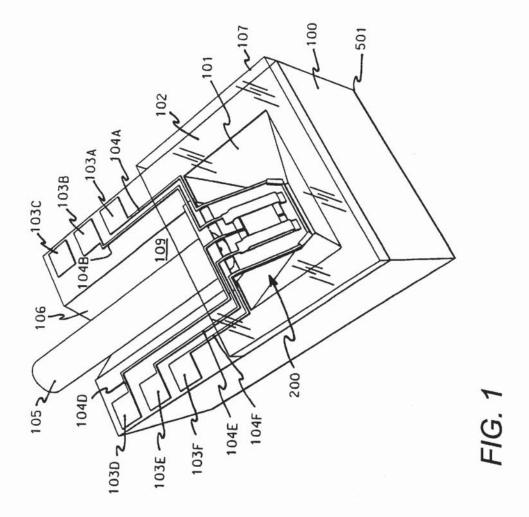
[57] ABSTRACT

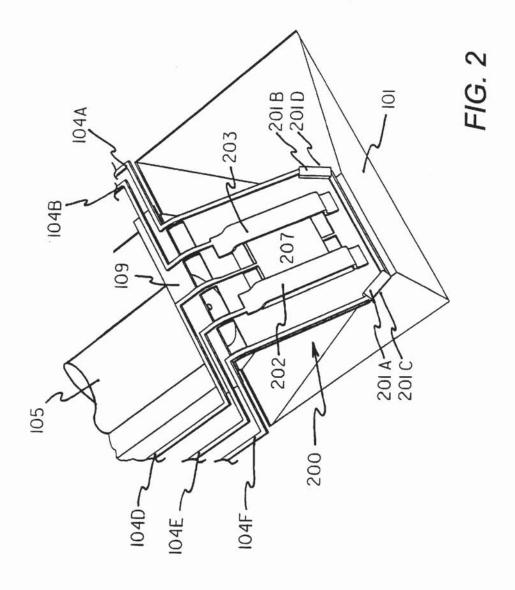
An apparatus for precisely steering a beam of light by making use of a hybrid inter optical alignment precision which occurs when a beam steering mechanism is micromachined with respect to a crystallographic orientation of a substrate.

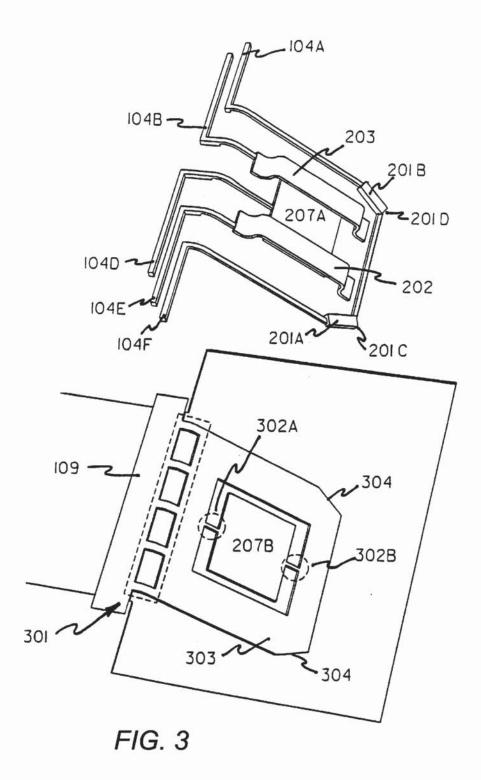
45 Claims, 17 Drawing Sheets











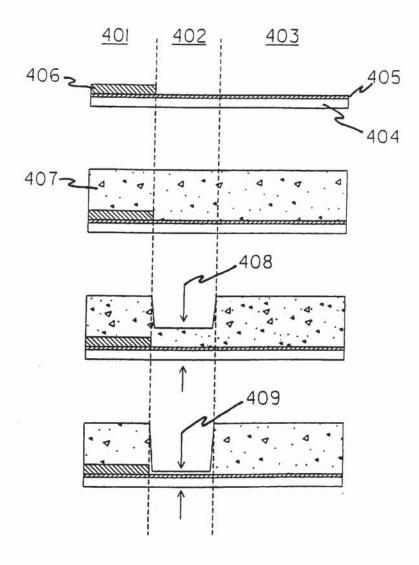


FIG. 4

DOCKET A L A R M

Explore Litigation Insights



Docket Alarm provides insights to develop a more informed litigation strategy and the peace of mind of knowing you're on top of things.

Real-Time Litigation Alerts



Keep your litigation team up-to-date with **real-time** alerts and advanced team management tools built for the enterprise, all while greatly reducing PACER spend.

Our comprehensive service means we can handle Federal, State, and Administrative courts across the country.

Advanced Docket Research



With over 230 million records, Docket Alarm's cloud-native docket research platform finds what other services can't. Coverage includes Federal, State, plus PTAB, TTAB, ITC and NLRB decisions, all in one place.

Identify arguments that have been successful in the past with full text, pinpoint searching. Link to case law cited within any court document via Fastcase.

Analytics At Your Fingertips



Learn what happened the last time a particular judge, opposing counsel or company faced cases similar to yours.

Advanced out-of-the-box PTAB and TTAB analytics are always at your fingertips.

API

Docket Alarm offers a powerful API (application programming interface) to developers that want to integrate case filings into their apps.

LAW FIRMS

Build custom dashboards for your attorneys and clients with live data direct from the court.

Automate many repetitive legal tasks like conflict checks, document management, and marketing.

FINANCIAL INSTITUTIONS

Litigation and bankruptcy checks for companies and debtors.

E-DISCOVERY AND LEGAL VENDORS

Sync your system to PACER to automate legal marketing.

