

UNITED STATES PATENT AND TRADEMARK OFFICE

BEFORE THE PATENT TRIAL AND APPEAL BOARD

HOLOGIC, INC.,
Petitioner

v.

ENZO LIFE SCIENCES, INC.
Patent Owner

U.S. Patent No. 7,064,197

**SYSTEM, ARRAY AND NON-POROUS SOLID SUPPORT
COMPRISING FIXED OR IMMOBILIZED NUCLEIC ACIDS**

PETITION FOR *INTER PARTES* REVIEW

TABLE OF CONTENTS

| | | |
|-------|---|----|
| I. | Introduction..... | 1 |
| II. | Grounds for Standing..... | 1 |
| III. | Mandatory Notices Under 37 C.F.R. § 42.8(b) | 2 |
| | A. Real Party–In–Interest..... | 2 |
| | B. Related Matters..... | 2 |
| IV. | Lead and Back-up Counsel; Electronic Service | 3 |
| V. | Fee Payment..... | 3 |
| VI. | Statement of Precise Relief Requested..... | 4 |
| | A. Claims for Which Review is Requested..... | 4 |
| | B. Statutory Grounds of Challenge..... | 4 |
| | C. Level of Ordinary Skill in the Art at the Time of the Claimed Invention..... | 7 |
| VII. | Prosecution History of the '197 Patent and the State of the Art | 8 |
| | A. Hybridizable Nucleic Acids Bound to Solid Supports..... | 8 |
| | B. Summary of Prosecution History | 9 |
| | C. Specification of the '197 Patent | 10 |
| VIII. | Claim Construction..... | 12 |
| | A. “Non-Porous Solid Support” | 12 |
| | B. “Hybridizable form” | 14 |
| IX. | The Challenged Claims of the '197 Patent Are Unpatentable | 15 |
| | A. Ground 1: Claims 1, 6, 8, 9, 12, 13, 14, 15, 16, 27, 31, 32, 33, 34, 41, 61, 62, 63, 68, 69, 70, 72, 73, 74, 79, 100, 191, 192, | |

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|---|----|
| 193, 194, 212, 213, 219, 222, 225, 226, 227, 230, 233, and 236 are anticipated by Fish..... | 15 |
| 1. Independent claims 1, 6, 8, 9, 12, 13, 14, 15, and 27 | 17 |
| a. “A non-porous solid support,” “[a] system comprising a non-porous solid support,” or “[a] non-porous glass or a non-porous plastic solid support.” | 18 |
| b. “one or more amine(s), hydroxyl(s) or epoxide(s) thereon” | 20 |
| c. “single stranded nucleic acid”/ “nucleic acid”/ “DNA or RNA”“is fixed or immobilized in hybridizable form to said non-porous solid support via said one or more amine(s), hydroxyl(s) or epoxide(s)” | 21 |
| 2. Dependent claims 16, 31, 32, 33, 34, 41, 61, 62, 63, 68, 69, 70, 72, 73, 74, 79, 100, 191, 192, 193, 194, 212, 213, 219, 222, 225, 226, 227, 230, 233, and 236..... | 30 |
| a. Claims 16, 222, and 230 | 30 |
| b. Claims 32, 72, 226, and 227 | 30 |
| c. Claims 33, 41, 73, 212, 225, and 233 | 30 |
| d. Claims 34, 74, and 213 | 31 |
| e. Claims 31, 68, and 192 | 31 |
| f. Claim 61, 100, and 191..... | 32 |
| g. Claims 62, 69, and 193 | 32 |
| h. Claims 63, 70, and 194 | 32 |
| i. Claims 79, 219, and 236 | 33 |
| B. Ground 2: Claims 31, 64, 68, 101, 192, and 195 are obvious under 35 U.S.C. § 103(a) in view of Fish | 33 |

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|-----|---|----|
| a. | Claims 31, 68, and 192 | 35 |
| b. | Claims 64, 101, and 195 | 37 |
| C. | Ground 3: Claims 38, 78, and 218 would have been obvious under 35 U.S.C. § 103(a) based on Fish in view of Gilham. | 37 |
| D. | Ground 4: Claims 1, 6, 8, 9, 12, 13, 14, 15, 27, 31, 32, 34, 61, 62, 63, 68, 69, 70, 72, 74, 79, 100, 191, 192, 193, 194, 213, 219, 226, 227, and 236 are anticipated under 35 U.S.C. § 102(b) by VPK. | 39 |
| 1. | The Challenged Claims Are Entitled to a Priority Date No Earlier Than the Filing of the CIP Application (Appl. No. 06/732,374) | 40 |
| a. | The legal requirements for claiming priority..... | 41 |
| b. | The original disclosure of the 1983 application does not provide written description support for the element “non-porous solid support.” | 42 |
| 2. | Claims 1, 6, 8, 9, 12, 13, 14, 15, 27, 31, 32, 34, 61, 62, 63, 68, 69, 70, 72, 74, 79, 100, 191, 192, 193, 194, 213, 219, 226, 227, and 236 are anticipated by VPK. | 45 |
| a. | Independent claims 1, 6, 8, 9, 12, 13, 14, 15, and 27 | 45 |
| b. | Dependent claims 31, 32, 34, 61, 62, 63, 68, 69, 70, 72, 74, 79, 100, 191, 192, 193, 194, 213, 219, 226, 227, and 236 are anticipated by VPK..... | 49 |
| E. | Ground 5: Claims 16, 38, 64, 78, 101, 195, 218, 222, and 230 would have been obvious under 35 U.S.C. § 103(a) based on Noyes in view of VPK and further in view of Ramachandran. | 51 |
| F. | Ground 6: Claims 33, 41, 73, 212, 225, and 233 would have been obvious under 35 U.S.C. § 103(a) based on VPK in view of Metzgar. | 56 |
| XI. | Conclusion | 60 |

TABLE OF AUTHORITIES

| | Page(s) |
|---|----------------|
| Cases | |
| <i>Ariad Pharm., Inc. v. Eli Lilly & Co.</i> , 598 F.3d 1336 (Fed. Cir. 2010) | 41 |
| <i>ButamaxTM Advanced Biofuels LLC v. Gevo, Inc.</i> , IPR2013-00539, paper no. 33 (PTAB March 3, 2015) | 40 |
| <i>Continental Can Co. v. Monsanto Co.</i> , 948 F.2d 1264 (Fed.Cir.1991) | 16 |
| <i>In re Cruciferous Sprout Litig.</i> , 301 F.3d 1343 (Fed.Cir. 2002) | 15 |
| <i>Eli Lilly & Co. v. Barr Labs.</i> , 251 F.3d 955 (Fed. Cir. 2001) | 16 |
| <i>Graham v. John Deere Co.</i> , 383 U.S. 1 (1966)..... | 33 |
| <i>In re Huang</i> , 100 F.3d 135 (Fed. Cir. 1996) | 59 |
| <i>Institut Pasteur & Universite Pierre et Marie Curie v. Focarino</i> , 738 F.3d 1337 (Fed. Cir. 2013) | 59 |
| <i>In re Kao</i> , 639 F.3d 1057 (Fed. Cir. 2011) | 59 |
| <i>KSR Int’l Co. v Teleflex Inc.</i> , 550 U.S. 398 (2007)..... | <i>passim</i> |
| <i>In re Kubin</i> , 561 F.3d 1351 (Fed. Cir. 2009) | 34 |

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