

UNITED STATES PATENT AND TRADEMARK OFFICE

BEFORE THE PATENT TRIAL AND APPEAL BOARD

ABS GLOBAL, INC.,
Petitioner,

v.

CYTONOME/ST, LLC,
Patent Owner.

Case No. IPR2017-02184
Patent No. 7,208,265

PETITIONER'S UPDATED EXHIBIT LIST

Exhibit #	Reference Name
1001	U.S. Patent No. 7,208,265 ("265 patent")
1002	U.S. Patent No. 7,208,265 File History ("265 File History")
1003	Declaration of Dr. Marvin M. Pace ("Pace Decl.")
1004	<i>Curriculum vitae</i> of Dr. Marvin M. Pace
1005	U.S. Patent No. 7,195,920 ("Seidel 1997")
1006	Salisbury et al., Physiology of Reproduction and Artificial Insemination in Cattle, 2nd Ed. 1978 ("Salisbury")
1007	E.F. Fugger, S.H. Black, K. Keyvanfar and J.D. Schulman, "Births of normal daughters after MicroSort sperm separation and intrauterine insemination, in-vitro fertilization, or intracytoplasmic sperm injection," Vol. 13, No. 9 of Human Reproduction (Sept. 1998) ("Fugger")
1008	U.S. Patent No. 5,135,759 ("Johnson 1992")
1009	Polge, C. and Rowson, L.E.A., "Long-term Storage of Bull Semen Frozen at Very Low Temperatures (-79° C.)," in "Report of The 2nd International Congress of Physiology and Pathology of Animal Reproduction and of Artificial Insemination," Vol. 111 (1952) ("Polge and Rowson 1952")
1010	LaSalle, B., "Introduction," in "The Integrity of Frozen Spermatozoa, Proceedings of a Round-Table Conference held on April 6-7, 1976," National Academy of Sciences (1978) ("LaSalle 1978")
1011	Herman, H.A. and Madden, F.W., "The Artificial Insemination of Dairy and Beef Cattle: A Handbook and Laboratory Manual" 6th Ed. (1980) ("Herman and Madden 1980")
1012	Graham, E.F., "Fundamentals of the Preservation of Spermatozoa," in "The Integrity of Frozen Spermatozoa, Proceedings of a Round-Table Conference held on April 6- 7, 1976," National Academy of Sciences (1978) ("Graham 1978")

Exhibit #	Reference Name
1013	Berndtson, W.E. and Pickett, B.W, "Techniques for The Cryopreservation and Field Handling of Bovine Spermatozoa," in "The Integrity of Frozen Spermatozoa, Proceedings of a Round-Table Conference held on April 6-7, 1976," National Academy of Sciences (1978) ("Berndtson and Pickett 1978")
1014	Bulletin 621, "Preservation of Bull Semen at Sub-Zero Temperatures," University of IL Ag. Exp. Station (1957) ("Bulletin 621")
1015	Doak, "CSS Implementation of New Antibiotic Combination," Proceedings of the 11th Tech. Conf. on Art. Insemination and Reproduction (1986) ("Doak 1986")
1016	Seidel et al., "Insemination of Heifers with Sexed Frozen or Sexed Liquid Semen," 51:1 Theriogenology: An Int'l J. of Reproduction, 400 (1999) ("Seidel 1999")
1017	Seidel, "Fertility of Bulls on the Edge of the Dose-Response Curve form Numbers of Sperm Per Inseminate," in Proceedings of the 17th Technical Conference on Artificial Insemination and Reproduction (1998) ("Seidel 1998")
1018	U.S. Patent No. 3,854,470 ("Augspurger 1974")
1019	U.S. Patent No. 4,092,229 ("Bhattacharya 1978")
1020	U.S. Patent No. 4,083,957 ("Lang 1978")
1021	U.S. Patent No. 4,362,246 ("Adair 1982")
1022	A. A. Luderer, "Separation of Bovine Spermatozoa by Density on Water Insoluble Newtonian Gels and Their Use for Insemination," Bio. of Repro., Vol. 26, pages 813-24 (1982) ("Luderer 1982")
1023	U.S. Patent No. 4,474,875 ("Shrimpton 1984")
1024	Beal, W.E., et al., "Sex Ratio after Insemination of Bovine Spermatozoa Isolated using a Bovine Serum Albumin Gradient," 58 J. Anim. Sci. 1432-36 (1984) ("Beal 1984")
1025	Foote, "Normal Dev. Of Fetuses Resulting from Holstein Semen Processed for Sex Separation," Theriogenology, Vol. 24, No. 1, pages 197-202 (1985) ("Foote 1985")
1026	U.S. Patent No. 4,007,087 ("Ericsson 1997")

Exhibit #	Reference Name
1027	Polge, "Historical Perspective of AI: Commercial Methods of Producing Sex Specific Semen IVF Procedures," in Proceedings of the 16th Tech. Conf. on Artificial Insemination and Reproduction (1996) ("Polge 1996")
1028	The American Heritage College Dictionary, 3rd Ed. (1997)
1029	Catalog No. 90128; Irvine Scientific
1030	File History of U.S. Serial No. 09/577,246 ("246 File History")
1031	U.S. Patent No. 5,021,244 ("Spaulding")
1032	R. Johann, R.S. Jeyendranm, J.P.W. Vermedien, L. J.D. Zaneveld published "Human sperm selection by glass wool filtration and two-layer, discontinuous Percoll gradient centrifugation," in Vol. 51, No. 4 of Fertility and Sterility ("Johann 1989")
1033	U.S. Patent No. 7,820,425 ("425 patent")
1034	Jondet, R. "Contribution to the assessment of the minimum number of frozen spermatozoa necessary to obtain fertilization in the cow," 7th Int'l Congress on Animal Reproduction and Artificial Insemination, Vol. 2 (1972) ("Jondet 1972")
1035	E.F. Fugger, S.H. Black, K. Keyvanfar and J.D. Schulman, "Births of normal daughters after MicroSort sperm separation and intrauterine insemination, in-vitro fertilization, or intracytoplasmic sperm injection," Vol. 13, No. 9 of Human Reproduction (Sept. 1998) (U. Minn. Bio-Medical Library)
1036	E.F. Fugger, S.H. Black, K. Keyvanfar and J.D. Schulman, "Births of normal daughters after MicroSort sperm separation and intrauterine insemination, in-vitro fertilization, or intracytoplasmic sperm injection," Vol. 13, No. 9 of Human Reproduction (Sept. 1998) (Iowa State U. of Sci. and Tech.)
1037	E.F. Fugger, S.H. Black, K. Keyvanfar and J.D. Schulman, "Births of normal daughters after MicroSort sperm separation and intrauterine insemination, in-vitro fertilization, or intracytoplasmic sperm injection," Vol. 13, No. 9 of Human Reproduction (Sept. 1998) (U. Missouri Health Scis. Library)

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1038	E.F. Fugger, S.H. Black, K. Keyvanfar and J.D. Schulman, "Births of normal daughters after MicroSort sperm separation and intrauterine insemination, in-vitro fertilization, or intracytoplasmic sperm injection," Vol. 13, No. 9 of Human Reproduction (Sept. 1998) (Univ. of Iowa)
1039	E.F. Fugger, S.H. Black, K. Keyvanfar and J.D. Schulman, "Births of normal daughters after MicroSort sperm separation and intrauterine insemination, in-vitro fertilization, or intracytoplasmic sperm injection," Vol. 13, No. 9 of Human Reproduction (Sept. 1998) (British Library)
1040	Case No. IPR2014-01550, Ex. 1007, E.F. Fugger, S.H. Black, K. Keyvanfar and J.D. Schulman, "Births of normal daughters after MicroSort sperm separation and intrauterine insemination, in-vitro fertilization, or intracytoplasmic sperm injection," Vol. 13, No. 9 of Human Reproduction (Sept. 1998)
1041	Declaration of Deborah Ward
1042	Excerpts from File History of Application Number 13/752,082
1043	Supplemental Declaration of Dr. Marvin M. Pace
1044	Case No. IPR2014-01550, Excerpt from Paper No. 15, Patent Owner XY, LLC's Response
1045	Case No. IPR2014-01550, Ex. 2018, Text of E.F. Fugger, S.H. Black, K. Keyvanfar and J.D. Schulman, "Births of normal daughters after MicroSort sperm separation and intrauterine insemination, in-vitro fertilization, or intracytoplasmic sperm injection," Vol. 13, No. 9 of Human Reproduction (Sept. 1998)
1046	Case No. IPR2014-01550, Excerpt from Ex. 2015, Expert Declaration of Cynthia L. Ludwig
1047	Case No. IPR2014-01550, Paper No. 25, Final Written Decision

CERTIFICATE OF SERVICE

I hereby certify that on this 22nd day of May, 2018, I caused a true and correct copy of the foregoing and any accompanying exhibits to be served by email on the following counsel for Patent Owner:

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Dated: May 22, 2018

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