

Visualizing Outcome Inconsistency at the USPTO

Group	Grant Rate	Std Dev	Desc
<u>1780</u>	44%	26%	Food, Miscellaneous Articles, Stock Material
<u>1790</u>	40%	23%	Food, Analytical Chemistry, Sterilization, Biochemistry
<u>37E</u>	58%	23%	Medical Instruments, Diagnostic Equipment, and Treatment Devices
<u>2140-2170</u>	46%	22%	Graphical User Interface and Document Processing
<u>2150-2160</u>	64%	22%	Data Bases & File Management
<u>2620</u>	63%	22%	Selective Visual Display Systems
<u>37A</u>	57%	22%	Amusement and Education Devices
<u>37I</u>	49%	22%	Refrigeration, Vaporization, Ventilation, and Combustion
<u>1720</u>	62%	21%	Fuel Cells, Battery, Flammable Gas, Electrophotography, Photolithography
<u>1750</u>	41%	21%	Electrochemistry, Solar Cells, Thermoelectrics
<u>2440-2450</u>	66%	21%	Computer Networks
<u>1630</u>	48%	20%	Molecular Biology, Bioinformatics, Nucleic Acids, Recombinant DNA and RNA, Gene Regulation, Nucleic Acid Amplification, Animals and Plants, Combinatorial/ Computational Chemistry
<u>1650</u>	51%	20%	Fermentation, Microbiology, Isolated and Recombinant Proteins/Enzymes
<u>1710</u>	53%	20%	Coating, Etching, Cleaning, Single Crystal Growth
<u>1770</u>	63%	20%	Chemical Apparatus, Separation and Purification, Liquid and Gas Contact Apparatus
<u>37B</u>	52%	20%	Sheet Container Making, Package Making, Receptacles, Shoes, Apparel, and Tool Driving or Impacting
<u>37D</u>	59%	20%	Medical and Surgical Instruments, Treatment Devices, Surgery and Surgical Supplies
<u>37F</u>	59%	20%	Body Treatment, Kinestherapy, and Exercising
<u>1730</u>	66%	19%	Metallurgy, Metal Working, Inorganic Chemistry, Catalyst
<u>2120</u>	71%	19%	Miscellaneous Computer Applications
<u>2130</u>	71%	19%	Memory Access and Control
<u>2480</u>	57%	19%	Recording and Compression

<u>2610</u>	68%	19%	Computer Graphic Processing, 3D Animation, Display Color Attribute, Object Processing, Hardware and Memory
<u>2690</u>	60%	19%	Selective Visual Display Systems
<u>3620</u>	22%	19%	Business Methods - Incentive Programs, Coupons; Operations Research; Electronic Shopping; Health Care; Point of Sale, Inventory, Accounting; Cost/Price, Reservations, Shipping and Transportation; Business Processing
<u>3640</u>	69%	19%	Aeronautics, Agriculture, Fishing, Trapping, Vermin Destroying, Plant and Animal Husbandry, Weaponry, Nuclear Systems, and License and Review
<u>3690</u>	34%	19%	Business Methods - Finance/Banking/ Insurance
<u>1620</u>	62%	18%	Organic Chemistry
<u>1670</u>	62%	18%	Process, Nucleic acid, Protein, Carbohydrate Chemistries and Diagnostics
<u>1760</u>	65%	18%	Organic Chemistry, Polymers, Compositions
<u>2420</u>	62%	18%	Cable and Television
<u>2670</u>	75%	18%	Facsimile; Printer; Color; halftone; Scanner; Computer Graphic Processing; 3-D Animation; Display Color; Attributes; Object Processing; Hardware and Memory
<u>2680</u>	72%	18%	Telemetry and Code Generation; Vehicles and System Alarms; Selective Communication; Dynamic Storage Systems; Mechanical parts of Disk Drives; Signal Processing and Control Processing in Disk Drives
<u>3680</u>	25%	18%	Business Methods - Incentive Programs, Coupons; Electronic Shopping; Business Cryptography, Voting; Health Care; Point of Sale, Inventory, Accounting; Business Processing, Electronic Negotiation
<u>1660</u>	70%	17%	Plants
<u>2180</u>	79%	17%	Computer Architecture
<u>1610</u>	42%	16%	Organic Compounds: Bio-affecting, Body Treating, Drug Delivery, Steroids, Herbicides, Pesticides, Cosmetics, and Drugs
<u>1740</u>	62%	16%	Tires, Adhesive Bonding, Glass/Paper making, Plastics Shaping & Molding
<u>2190</u>	75%	16%	Interprocess Communication and Software Development
<u>2640</u>	76%	16%	Telecommunications: Analog Radio Telephone; Satellite and Power Control; Transceivers, Measuring and Testing; Bluetooth; Receivers and Transmitters; Equipment Details
<u>2810-</u> <u>2820-</u> <u>2890</u>	81%	16%	Semiconductors/Memory

<u>2850-2860</u>	78%	16%	Printing/Measuring and Testing
<u>2870-2880</u>	75%	16%	Optics
<u>3650</u>	74%	16%	Material and Article Handling
<u>3670</u>	67%	16%	Wells, Earth Boring/Moving/Working, Excavating, Mining, Harvesters, Bridges, Roads, Petroleum, Closures, Connections, and Hardware
<u>37C</u>	67%	16%	Manufacturing Devices and Processes, Machine Tools and Hand Tools
<u>37G</u>	69%	16%	Thermal and Combustion Technology, Motive and Fluid Power Systems
<u>2410-2460-2470</u>	77%	15%	Multiplex and VoIP
<u>2650</u>	74%	15%	Videophones and Telephonic Communications; Audio Signals; Digital Audio Data Processing; Linguistics, Speech Processing and Audio Compression
<u>3660</u>	77%	15%	Computerized Vehicle Controls and Navigation, Radio Wave, Optical and Acoustic Wave Communication, Robotics, and Nuclear Systems
<u>1640</u>	50%	14%	Immunology, Receptor/Ligands, Cytokines Recombinant Hormones, and Molecular Biology
<u>2110</u>	83%	14%	Computer Architecture
<u>2430-2490</u>	75%	14%	Cryptography and Security
<u>2830-2840</u>	77%	14%	Electrical Circuits and Systems
<u>37H</u>	64%	14%	Fluid Handling and Dispensing
<u>3630</u>	63%	13%	Static Structures, Supports and Furniture
<u>2660</u>	81%	11%	Digital Cameras; Image Analysis; Applications; pattern Recognition; Color and Compression; Enhancement and Transformation
<u>2630</u>	84%	10%	Digital and Optical Communications
<u>3610</u>	79%	10%	Surface Transportation