

NTIS Technical Reports Newsletter

Category 41: Manufacturing Technology

DE2009947235

Characterization of Defocused Electron Beams and Welds in Stainless Steel and Refractory Metals using the Enhanced Modified Faraday Cup Diagnostic.

Department of Energy.

2009, 30p

LLNL-TR-410110

Related Categories/Sub-categories:

71J (Iron & Iron Alloys)

94G (Manufacturing Processes & Materials Handling)

DE2009947256

Technical Advisory. Team (TAT) Report On the Rocket Sled Test Accident of October 9, 2008.

Department of Energy.

2009, 61p

SAND2009-0180

Related Categories/Sub-categories:

51A (Aerodynamics)

51B (Aeronautics)

94 (Industrial & Mechanical Engineering)

DE2009947347

Development of a High-Temperature Diagnostics-While Drilling Tool.

Department of Energy.

2009, 62p

SAND2009-0248

Related Categories/Sub-categories:

94F (Tooling, Machinery, & Tools)

97 (Energy)

N20090006701

NASA SSA for Robotic Missions.

National Aeronautics and Space Administration.

2009, 44p

Related Categories/Sub-categories:

62 (Computers, Control & Information Theory)

84A (Astronautics)

PB2009105000

Specifications, Tolerances, and Other Technical Requirements for Weighting and Measuring Devices as Adopted by the 92nd National Conference on Weights and Measures 2008. 2009 Edition.

National Institute of Standards and Technology.

2009, 365p

NIST/HB-44/2009

Related Categories/Sub-categories:

43 (Problem Solving Information for State & Local Governments)

94K (Laboratory & Test Facility Design & Operation)

98 (Agriculture & Food)

PB2009105845

Evaluation of Composite Joints in General Aviation Structures.

Federal Aviation Administration.

2009, 137p

DOT/FAA/AR-07/24

Related Categories/Sub-categories:

51C (Aircraft)

70E (Research Program Administration & Technology Transfer)

71F (Composite Materials)

PB2009105872

Health Hazard Evaluation Report: HETA-2007-0199-3075, Dehler Manufacturing, Inc., Chicago, Illinois, January 2009. Evaluation of Employees' Exposures to Welding Fumes and Powder Paint Dust During Metal Furniture Manufacturing.

National Institute for Occupational Safety and Health.

2009, 56p

HETA-2007-0199-3075

Related Categories/Sub-categories:

44G (Environmental & Occupational Factors)

57U (Public Health & Industrial Medicine)

94D (Job Environment)

NTIS Technical Reports Newsletter

Purpose: To bring you a sampling of the latest documents added to the NTIS Database and to help you gain a greater understanding of the wealth of scitech information available from the National Technical Information Service.

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Key to Database Fields Used

The following NTIS database fields are used in this short listing of recently acquired technical reports.

NTIS Order Number

Title

Source

Report Year, Page Count

Report Number/ISBN13 (if available)

Related Categories/Sub-categories

(where the document is also indexed)

Category 41: Manufacturing Technology

PB2009106710

Medicare and Medicaid Participating Facilities: CMS Needs to Reexamine Its Approach for Funding State Oversight of Health Care Facilities.

Government Accountability Office.

2009, 90p

GAO-09-64

Related Categories/Sub-categories:

44E (Health Care Measurement Methodology)

44Q (Health Related Costs)

PB2009106791

Geothermal Heat Pump Manufacturing Activities, 2007.

Energy Information Administration.

2009, 30p

Related Categories/Sub-categories:

94F (Tooling, Machinery, & Tools)

97G (Policies, Regulations & Studies)

97J (Heating & Cooling Systems)

ADA494552

Opportunities in the Defense and Security Robotics Sector.

Space and Naval Warfare Systems Center, San Diego, CA. Unmanned Systems Branch.

Nov 2008, 40p

Related Categories/Sub-categories:

41C (Robotics/Robots)

62 (Computers, Control & Information Theory)

74E (Military Facilities, & Supplies)

ADA494809

Theoretical and Numerical Investigation of Polymer-Particle Nanocomposites and their Effective Materials Properties.

Florida State Univ., Tallahassee. Dept. of Mathematics

Nov 2008, 8p

Related Categories/Sub-categories:

74 (Military Sciences)

99C (Polymer Chemistry)

PB2009108932

Workplace Solutions: Control of Hazardous Dust When Grinding Concrete.

National Institute for Occupational Safety and Health

Apr 2009, 4p

Related Categories/Sub-categories:

57U (Public Health & Industrial Medicine)

68A (Pollution & Control)

68G (Environmental Health & Safety)

94D (Job Environment)

PB2009108934

Workplace Solutions: Reducing Hazardous Dust Exposure When Rock Drilling During Construction.

National Institute for Occupational Safety and Health

Apr 2009, 4p

Related Categories/Sub-categories:

48F (Geology & Geophysics)

57U (Public Health & Industrial Medicine)

68A (Pollution & Control)

68G (Environmental Health & Safety)

94D (Job Environment)

Major Subject Categories

| Category Codes*/Title | New for April Quantity** |
|--|-----------------------------|
| 41 Manufacturing Technology..... | 72 |
| 43 Problem Solving Information for State & Local Governments | 390 |
| 44 Health Care..... | 169 |
| 45 Communication..... | 85 |
| 46 Physics..... | 160 |
| 47 Ocean Sciences & Technology..... | 109 |
| 48 Natural Resources & Earth Sciences..... | 216 |
| 49 Electrotechnology | 38 |
| 50 Civil Engineering..... | 62 |
| 51 Aeronautics & Aerodynamics..... | 93 |
| 54 Astronomy & Astrophysics | 38 |
| 55 Atmospheric Sciences | 62 |
| 57 Medicine & Biology | 529 |
| 62 Computers, Control & Information Theory | 158 |
| 63 Detection & Countermeasures..... | 56 |
| 68 Environmental Pollution & Control..... | 304 |
| 70 Administration & Management..... | 408 |
| 71 Materials Sciences..... | 70 |
| 72 Mathematical Sciences..... | 65 |
| 74 Military Sciences..... | 464 |
| 75 Missile Technology..... | 10 |
| 76 Navigation, Guidance, & Control..... | 22 |
| 77 Nuclear Science & Technology | 90 |
| 79 Ordnance | 36 |
| 81 Combustion, Engines, & Propellants | 37 |
| 82 Photography & Recording Devices..... | 2 |
| 84 Space Technology..... | 109 |
| 85 Transportation..... | 216 |
| 88 Library & Information Sciences..... | 71 |
| 89 Building Industry Technology | 32 |
| 90 Government Inventions for Licensing | 1 |
| 91 Urban & Regional Technology & Development..... | 403 |
| 92 Behavior & Society..... | 731 |
| 94 Industrial & Mechanical Engineering | 125 |
| 95 Biomedical Technology & Human Factors | 33 |
| 96 Business & Economics | 551 |
| 97 Energy..... | 207 |
| 98 Agriculture & Food | 233 |
| 99 Chemistry..... | 153 |

* For a listing of Scope Notes that defines the specific topical content for each category, go to <http://www.ntis.gov/pdf/scopenotes.pdf>

** Quantities represent each new report assigned on average to 3-5 categories.

Category 90: Government Inventions for Licensing

ADD020318

Method for Coupling a Direct Current Power Source Across a Dielectric Membrane or Other Non-Conducting Membrane.

Department of the Navy.

2008, 42p

PAT-APPL-8-122 506

Related Categories/Sub-categories:

49F (Power & Signal Transmission Devices)

97E (Electric Power Transmission)

ADD020319

Method for Coupling a Direct Current Power Source Across a Nearly Frictionless High-Speed Rotation Boundary.

Department of the Navy.

2008, 42p

PAT-APPL-8-12 537

Related Categories/Sub-categories:

49F (Power & Signal Transmission Devices)

97E (Electric Power Transmission)

ADD020322

Olivo-Cerebellar Controller.

Department of the Navy.

2008, 83p

PAT-APPL-8-12/021 555

Related Categories/Sub-categories:

62 (Computers, Control & Information Theory)

72E (Operations Research)

95F (Bionics & Artificial Intelligence)

ADD020362

Explosive Water Jet With Precursor Bubble.

Department of the Navy.

2008, 21p

PAT-APPL-8-110 703

Related Categories/Sub-categories:

46B (Fluid Mechanics)

79A (Ammunition, Explosives, & Pyrotechnics)

92 (Behavior & Society)

ADD020365

High-Speed Underwater Data Transmission System and Method.

Department of the Navy.

2008, 36p

PAT-APPL-8-114 193

Related Categories/Sub-categories:

45C (Common Carrier & Satellite)

ADD020369

Remote Blood Pressure Waveform Sensing Method and Apparatus.

Department of the Navy.

2008, 26p

PAT-APPL-8-131 472

Related Categories/Sub-categories:

57A (Anatomy)

57S (Physiology)

94K (Laboratory & Test Facility Design & Operation)

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While you can find information on virtually any subject on the web, there's no guarantee that the information is accurate — or that it has been published by a legitimate source. NTIS undergoes a rigorous process to ensure that all the information we offer is authentic and credible. This integrity, along with the breadth and depth of our collection, is why NTIS is regarded as the nation's preeminent source of government information.

ADD020373

Method to Estimate Local Towed Array Angles Using Flush Mounted Hot Film Wall Shear Sensors.

Department of the Navy.

2008, 22p

PAT-APPL-8-133 896

Related Categories/Sub-categories:

63 (Detection & Countermeasures)

74G (Military Operations, Strategy, & Tactics)

ADD020381

SGML/XML to HTML Conversion System and Method for Frame-Based Viewer.

Department of the Navy.

2008, 32p

PAT-APPL-8-284 478

Related Categories/Sub-categories:

45C (Common Carrier & Satellite)

62B (Computer Software)

ADD020394

Method for Solving Combinatorial Optimization Problems.

Department of the Navy.

2008, 33p

PAT-APPL-8-287 157

Related Categories/Sub-categories:

72E (Operations Research)

ADD020395

Multi-Function Modulator for Low-Powered, Wired and Wireless Command, Control, and Communications Applications.

Department of the Navy.

2008, 62p

PAT-APPL-8-313 789

Related Categories/Sub-categories:

49 (Electrotechnology)

97I (Electric Power Production)

ADD020396

System for Beaming Acoustic Buoy Fields.

Department of the Navy.

2008, 15p

PAT-APPL-8-12287163

Related Categories/Sub-categories:

47 (Ocean Sciences & Technology)

63A (Acoustic Detection)

N20080009751

Hybrid Power Management System and Method. National Aeronautics and Space Administration.

2008, 8p

PATENT-7 259 692, PAT-APPL-10-931 205

Related Categories/Sub-categories:

49 (Electrotechnology)

97N (Solar Energy)

97O (Miscellaneous Energy Conversion & Storage)

Subject Category Codes/Classification

NTIS classifies citations into 39 subject categories. Each of these subject categories is divided into subcategories. This method provides sorting categories for both hard and soft sciences. All subject categories consist of three character codes: two numerics and one alpha character. The numeric codes represent entire categories, the alpha codes are used to designate subcategories within these broad categories. The number of NTIS subcategories posted to an information product average from one to five, although there are some reports with more.