

**16. B. and B. Coal Company**

[Docket No. M-1999-045-C]

B. and B. Coal Company, 225 Main Street, Joliett, Tremont, Pennsylvania 17981 has filed a petition to modify the application of 30 CFR 75.1312(e)(1) (explosives and detonators in underground magazines) to its Rock Ridge No. 1 Slope (I.D. No. 36-07741) anthracite mine located in Schuylkill County, Pennsylvania. The petitioner proposes to store explosives and detonators in gangways at least 10 feet from roadways and any source of electric current rather than the 25 feet required by the standard. The petitioner asserts that the proposed alternative method would provide at least the same measure of protection as would the mandatory standard.

**17. Twentymile Coal Company**

[Docket No. M-1999-046-C]

Twentymile Coal Company, One Oxford Centre, 30 Grant Street, 20th Floor, Pittsburgh, Pennsylvania 15219-1410 has filed a petition to modify the application of 30 CFR 75.500(d) (permissible electric equipment) to its Foidel Creek Mine (I.D. No. 05-03836) located in Routt County, Colorado. The petitioner requests a modification of the mandatory standard to permit use of low voltage or battery operated non-permissible electronic testing and diagnostic equipment in the last open crosscut and in its continuous miner development sections. The petitioner asserts that the proposed alternative method would provide at least the same measure of protection as would the mandatory standard.

**18. Little Buck Coal Company**

[Docket No. M-1999-047-C]

Little Buck Coal Company, R.D. #4, Box 395, Pine Grove, Pennsylvania 17963 has filed a petition to modify the application of 30 CFR 75.1200(d) & (i) (mine map) to its #3 Slope Buck Mtn. (I.D. No. 36-08568) located in Schuylkill County, Pennsylvania. The petitioner proposes to use cross-sections instead of contour lines through the intake slope, at locations of rock tunnel connections between veins, and at 1,000 foot intervals of advance from the intake slope; and to limit the required mapping of the mine workings above and below to those present within 100 feet of the veins being mined except when veins are interconnected to other veins beyond the 100-foot limit through rock tunnels. The petitioner asserts that due to the steep pitch encountered in mining anthracite coal veins, contours provide no useful information and their presence would make portions of the

mine illegible. The petitioner further asserts that use of cross-sections in lieu of contour lines has been practiced since the late 1800's thereby providing critical information relative to the spacing between veins and proximity to other mine workings which fluctuate considerably. The petitioner asserts that the proposed alternative method would provide at least the same measure of protection as would the mandatory standard.

**19. Little Buck Coal Company**

[Docket No. M-1999-048-C]

Little Buck Coal Company, R.D. #4, Box 395, Pine Grove, Pennsylvania 17963 has filed a petition to modify the application of 30 CFR 75.1202 and 75.1202-1(a) (temporary notations, revisions, and supplements) to its #3 Slope Buck Mtn. Mine (I.D. No. 36-08568) located in Schuylkill County, Pennsylvania. The petitioner proposes to survey, revise, and supplement mine maps annually instead of every 6 months, as required, to update maps daily by hand notations, and to conduct additional surveys prior to commencing retreat mining and whenever either a drilling program under 30 CFR 75.388 or plan for mining into inaccessible areas under 30 CFR 75.389 is required. The petitioner asserts that the low production and slow rate of advance in anthracite mining make surveying on 6-month intervals impractical. The petitioner asserts that the proposed alternative method would provide at least the same measure of protection as would the mandatory standard.

**20. Dally Slate Company and American Bangor Slate & Stone**

[Docket No. M-1999-004-C]

Dally Slate Company and American Bangor Slate & Stone, P.O. Box 27, Pen Argyl, Pennsylvania 18072 have filed a petition to modify the application of 30 CFR 57.19007 (overtravel and overspeed devices) to the Dally 2 Pit; Diamond Mine (I.D. No. 36-08597) and the American Bangor Slate & Stone Mine (I.D. No. 36-04864) located in Northampton County, Pennsylvania. The petitioner requests a modification of the mandatory standard to permit the use of a stand-by engineer, instead of a mechanical device, to prevent overtravel or overspeed in the event of a sudden health problem of the operating engineer that impairs his/her ability to operate the hoist. The petitioner asserts that the proposed alternative method would provide at least the same measure of protection as would the mandatory standard.

**21. Williams & Sons Slate & Tile, Inc.**

[Docket No. M-1999-005-M]

Williams & Sons Slate & Tile, Inc., 6596 Sullivan Trail, Wind Gap, Pennsylvania 18091-9798 has filed a petition to modify the application of 30 CFR 57.19007 (overtravel and overspeed devices) to its Sreebs Slate 7 Stone Co., Inc. Mine (I.D. No. 36-07156) located in Northampton County, Pennsylvania. The petitioner requests a modification of the mandatory standard to permit the use of a stand-by engineer, instead of a mechanical device, to prevent overtravel or overspeed in the event of a sudden health problem of the operating engineer that impairs his/her ability to operate the hoist. The petitioner asserts that application of the standard would result in a diminution of safety.

**Request for Comments**

Persons interested in these petitions are encouraged to submit comments via e-mail to "comments@msha.gov," or on a computer disk along with an original hard copy to the Office of Standards, Regulations, and Variances, Mine Safety and Health Administration, 4015 Wilson Boulevard, Room 627, Arlington, Virginia 22203. All comments must be postmarked or received in that office on or before July 19, 1999. Copies of these petitions are available for inspection at that address.

Dated: June 10, 1999.

**Carol J. Jones,***Acting Director, Office of Standards, Regulations, and Variances.*

[FR Doc. 99-15424 Filed 6-16-99; 8:45 am]

BILLING CODE 4510-43-U

**NATIONAL AERONAUTICS AND SPACE ADMINISTRATION**

[Notice (99-083)]

**Government-Owned Inventions, Available for Licensing****AGENCY:** National Aeronautics and Space Administration.**ACTION:** Notice of availability of inventions for licensing.

**SUMMARY:** The inventions listed below are assigned to the National Aeronautics and Space Administration, have been filed in the United States Patent and Trademark Office, and are available for licensing.

**DATES:** June 17, 1999.

**FOR FURTHER INFORMATION CONTACT:** Guy M. Miller, Patent Counsel, Goddard Space Flight Center, Mail Code 750.2, Greenbelt, MD 20771; 301-286-7351.

NASA Case No. GSC 13,817-3:  
Empirical Mode Decomposition  
Apparatus, Method, and Article of  
Manufacture for Analyzing Biological  
Signals and Performing Curve Fitting;  
NASA Case No. GSC 13,966-1: GPS  
"Compound Eye" Attitude Sensor;  
NASA Case No. GSC 14,098-1:  
Microaltimeter;  
NASA Case No. GSC 14,213-1:  
Estimated Spectrum Adaptive  
Postfilter (ESAP) and the Iterative  
Prepost Filtering (IPF) Algorithms.

Dated: June 11, 1999.

**Edward A. Frankle,**  
*General Counsel.*

[FR Doc. 99-15468 Filed 6-16-99; 8:45 am]

BILLING CODE 7510-01-U

## NATIONAL AERONAUTICS AND SPACE ADMINISTRATION

[Notice (99-085)]

### Government-Owned Inventions, Available for Licensing

**AGENCY:** National Aeronautics and  
Space Administration.

**ACTION:** Notice of availability of  
inventions for licensing.

**SUMMARY:** The inventions listed below  
are assigned to the National Aeronautics  
and Space Administration, have been  
filed in the United States Patent and  
Trademark Office, and are available for  
licensing.

**DATES:** June 17, 1999.

**FOR FURTHER INFORMATION CONTACT:**  
Patent Counsel, Ames Research Center,  
Mail Code 202A-3, Moffett Field, CA  
94035; telephone (650) 604-5104, fax  
(650) 604-1592.

NASA Case No. ARC-14236-1GE:  
Method and Apparatus for Evaluating  
the Visual Quality of Processed  
Digital Video Sequences, filed March  
12, 1999;

NASA Case No. ARC-15007-1LE: Mars  
VE The Virtual Exploration Mission  
CD-ROM, filed April 14, 1999.

Dated: June 11, 1999.

**Edward A. Frankle,**  
*General Counsel.*

[FR Doc. 99-15470 Filed 6-16-99; 8:45 am]

BILLING CODE 7510-01-U

## NATIONAL AERONAUTICS AND SPACE ADMINISTRATION

[Notice (99-086)]

### Government-Owned Inventions, Available for Licensing

**AGENCY:** National Aeronautics and  
Space Administration.

**ACTION:** Notice of availability of  
inventions for licensing.

**SUMMARY:** The inventions listed below  
are assigned to the National Aeronautics  
and Space Administration, have been  
filed in the United States Patent and  
Trademark Office, and are available for  
licensing.

**DATES:** June 17, 1999.

**FOR FURTHER INFORMATION CONTACT:**  
Patent Counsel, Kennedy Space Center,  
Mail Code MM-E, John F. Kennedy  
Space Center, FL 32899; telephone (407)  
867-6225, fax (407) 867-2050.

NASA Case No. KSC-12092: Thermal  
Insulation System & Method.

Dated: June 11, 1999.

**Edward A. Frankle,**  
*General Counsel.*

[FR Doc. 99-15471 Filed 6-16-99; 8:45 am]

BILLING CODE 7510-01-U

## NATIONAL AERONAUTICS AND SPACE ADMINISTRATION

[Notice (99-087)]

### Government-Owned Inventions, Available for Licensing

**AGENCY:** National Aeronautics and  
Space Administration.

**ACTION:** Notice of availability of  
inventions for licensing.

**SUMMARY:** The inventions listed below  
are assigned to the National Aeronautics  
and Space Administration, have been  
filed in the United States Patent and  
Trademark Office, and are available for  
licensing.

**DATES:** June 17, 1999.

**FOR FURTHER INFORMATION CONTACT:**  
Patent Counsel, Marshall Space Flight  
Center, Mail Code CC01, Marshall Space  
Flight Center, AL 35812; telephone  
(256) 544-0021, fax (256) 544-0258.

NASA Case No. MFS-31303-1:  
Generalized Fluid System Simulation  
Program;

NASA Case No. MFS-31294-3-CIP:  
Aluminum-Silicon Alloy Having  
Properties at Elevated Temperatures;

NASA Case No. MFS-31294-4-CIP:  
Aluminum-Silicon Having Improved  
Properties at Elevated Temperatures  
and Articles Cast Therefrom.

Dated: June 11, 1999.

**Edward A. Frankle,**  
*General Counsel.*

[FR Doc. 99-15472 Filed 6-16-99; 8:45 am]

BILLING CODE 7510-01-U

## NATIONAL AERONAUTICS AND SPACE ADMINISTRATION

[Notice (99-088)]

### Government-Owned Inventions, Available for Licensing

**AGENCY:** National Aeronautics and  
Space Administration.

**ACTION:** Notice of availability of  
inventions for licensing.

**SUMMARY:** The inventions listed below  
are assigned to the National Aeronautics  
and Space Administration, have been  
filed in the United States Patent and  
Trademark Office, and are available for  
licensing.

**DATES:** June 17, 1999.

**FOR FURTHER INFORMATION CONTACT:** Kent  
N. Stone, Patent Attorney, Glenn  
Research Center at Lewis Field, Mail  
Code 500-118, Cleveland, Ohio 44135-  
3191; telephone (216) 433-8855.

NASA Case No. LEW 16,771-1:  
Hybrid Electric/Chemical Propulsion  
Systems;

NASA Case No. LEW 16,685-1:  
Actuator Control Using Shape Memory  
Alloys, Microsystems and Optically  
Controlled Switches;

NASA Case No. LEW 16,636-1: Non-  
Toxic Dual-Mode Satellite Fuel;

NASA Case No. LEW 16,681-1:  
Selective Emitter Pumped Rare Earth  
Laser.

Dated: June 4, 1999.

**Edward A. Frankle,**  
*General Counsel.*

[FR Doc. 99-15473 Filed 6-16-99; 8:45 am]

BILLING CODE 7510-01-P

## NATIONAL AERONAUTICS AND SPACE ADMINISTRATION

[Notice (99-084)]

### Prospective Patent License

**AGENCY:** National Aeronautics and  
Space Administration.

**ACTION:** Notice of prospective patent  
license.

**SUMMARY:** NASA hereby gives notice  
that CryCle Cryogenic Development NV  
of The Netherlands has applied for an  
exclusive license to practice the  
invention described and claimed in U.S.  
Patent No. 5,730,806 entitled "GAS-  
LIQUID SUPERSONIC CLEANING AND  
CLEANING VERIFICATION SPRAY  
SYSTEM," which is assigned to the  
United States of America as represented  
by the Administrator of the National  
Aeronautics and Space Administration.  
Written objections to the prospective  
grant of a license should be sent to