

## Patent Selections:

The patents annotated in this section have been selected from various patent collections. They are recent patents categorized by significant fields of engineering and are relevant to the articles published in this journal issue.

### FLAT PLATE COLLECTORS

1. Yamanis, J., Warriar, S.G., Vedula, V.R., Benn, R.C., Smeggil, J.G., Song, S.G., Schmidt, W.R. Interconnect for solid oxide fuel cells *US20067144649 (2006)*.
2. LaFollette, R.M., Salmon, L.G., Harb, J.N. Microscopic batteries integrated with MEMS systems *US20067144654 (2006)*.
3. Jenson, M.L., Weiss, V.H. Thin-film battery having ultra-thin electrolyte *US20067144655 (2006)*.
4. Harrison, S.J., Lin, Q., Mesquita, L.C., Valletta, D.A. Method and apparatus for solar collector with integral stagnation temperature control *US20067143762 (2006)*.
5. Irwin, D.S. Device for oral UV phototherapy *US20067144248 (2006)*.
6. Baldis, S.F., Baldis, H.A., Baldis, J.J. Wireless power transmission system *WO06127562 (2006)*.
7. Chiruvolu, S., Du, H., McGovern, W.E., Horne, C.R., Mosso, R.J., Kambe, N. Nanostructured composite particles and corresponding processes *WO06127746 (2006)*.
8. Sze, S.K.N., Hua, L. Composite maldi matrix material and methods of using it and kits thereof in maldi *WO2006124003 (2006)*.
9. Zhao, H. Lithium battery manufacturing method *WO06124223 (2006)*.
10. Urli, N. Stationary photovoltaic module with low concentration ratio of solar radiation *WO06123194 (2006)*.

### PARABOLIC TROUGH COLLECTORS

1. Prueitt, M.L. Concentrating solar power *WO06083742 (2006)*.
2. Ouellette, J.P. Biomass heating system *US20067135332 (2006)*.
3. Anderson, A. Radiant energy collector *WO06110739 (2006)*.
4. Baker, D.M. Utility scale method and apparatus to convert low temperature thermal energy to electricity *WO06102440 (2006)*.
5. Diver Jr. R.B., Grossman, J.W., Reshetnik, M. Solar reflection panels *US20067077532 (2006)*.
6. Mahendran, M., Henshaw, W.J., Behmann, H., Pedersen, S.K. Apparatus for withdrawing permeate using an immersed vertical skein of hollow fibre membranes *US20067063788 (2006)*.
7. Bergami, G. Air filter device *EPI649919 (2006)*.

8. Lichy, J.I. Asymmetric, three-dimensional, non-imaging, light concentrator *WO06041943 (2006)*.
9. Pate, M.A. Non-imaging photon concentrator *US20067011434 (2006)*.
10. Steenblik, R.A., Hurt, M.J., Knotts, M.E. Micro-optics for article identification *US20067006294 (2006)*.

### SOLAR WATER HEATING

1. Kumar, A., Mishra, S.P. Novel 3, 4-propylenedioxythiophene derivatives with pendant functional groups *WO06117800 (2006)*.
2. Smith, D.M., Roderick, K., Campbell, P.L. Sorption cooling systems, their use in automotive cooling applications and methods relating to the same *US20067143589 (2006)*.
3. Locher, B.C. Water well pump *US20067144232 (2006)*.
4. Gee, J.M., Hacke, P. Back-contact solar cells and methods for fabrication *US20067144751 (2006)*.
5. Westfall, R.T., Groger, H.P. Apparatus and methods for modulating refractive index *US20067145709 (2006)*.
6. Sakamoto, T., Kimura, T. Room temperature fast-curable saturated hydrocarbon polymer composition and double-glazed glass pane *US20067144967 (2006)*.
7. Cyr, M.J., Weaver, M.A., Rhodes, G.F., Pearson, J.C., Cook, P.M. Colorant compounds containing copolymerizable vinyl groups *US20067138539 (2006)*.
8. Gosain, D.P., Machida, A., Nakano, K., Fujino, T., Sato, J. Method of producing crystalline semiconductor material and method of fabricating semiconductor device *US20067144793 (2006)*.
9. Angros, L.H., Byers, T.L. *In situ* heat induced antigen recovery and staining apparatus and method *WO06127852 (2006)*.
10. Nazari, S. Stand alone surveillance system *WO06127657 (2006)*.

### SOLAR COOLING

1. Landa, K.A., Landa, L., Hulme, R., Thomsen, S.V., Clear glass composition with high visible transmittance *US20067144837 (2006)*.
2. Hyland, S., Loboza, R.F., Stanwick, C., Indirect-direct evaporative cooling system operable from sustainable energy source *US20067143597 (2006)*.
3. Lockwood, S.F., O'Malley, S., Watumull, D.G., Hix, L.M., Jackson, H., Nadolski, G., Structural carotenoid

- analogs for the inhibition and amelioration of disease **US20067145025 (2006)**.
4. Doi, S., Ebara, T., Kurosawa, Y., Ishino, M., Fukuda, E., Kobayashi, Y., Yoshida, A. Supercritical refrigerant cycle system **US20067143595 (2006)**.
  5. Winter, A.G. Luxury recreational vehicle **US20067144058 (2006)**.
  6. Popovich, J.M. Electronic assembly/system with reduced cost, mass, and volume and increased efficiency and power density **US20067144748 (2006)**.
  7. Jin, S.H., Lee, J.K., Kim, M.R., L., H.J. Solid-state electrolyte composition containing liquid crystal materials and dye-sensitized solar cells using thereof **WO06126861 (2006)**.
  8. Wagner, H. Universal direct current brushless air conditioning system **WO06127171 (2006)**.
  9. Petrach, P. Module for a coating system and associated technology **WO06127267 (2006)**.
  10. Mckinney, C. Temperature controlled pet kennel **WO06127110 (2006)**.

#### SOLAR DESALINATION

1. Raman, A. Process for conversion of high pressure sea water reverse osmosis concentrate discharge (HP-SWRO) from seawater desalination plants into magnesium chloride (for recovery of magnesium metal by electrolysis) and sodium chloride and hydrogen with cogener **WO06072122 (2006)**.
2. Aknine, G., Jebsen, J.H. Water purification and treatment device and method for desalting or purifying water **WO06123258 (2006)**.
3. Ng, K.C., Wang, X.L., Gao, L., Chakraborty, A., Saha, B.B., Koyama, S.C.O. Kisawa, A., Kashiwagi, T. Apparatus and method for desalination **WO06121414 (2006)**.
4. Alstot, G., Finley, W., Jones, A.T., Pscheidt, E., Dolbear, G.E. Hydrocratic generator **US20067132759 (2006)**.
5. Moriyama, H., Matsunaga, K., Yamashita, K. System and method for recovering carbon dioxide in exhaust gas **EP1716911 (2006)**.
6. Bargeman, G., Demmer, R.L.M., Ten, K.A., Kuzmanovic, B., Van Lare Cornelis, E.J., Mayer, M.J.J., Schutyser, M.A.I., Westerink, J.B. Process to prepare salt **WO06087302 (2006)**.
7. Bargeman, G., Demmer, R.L.M., Ten, K.A., Kuzmanovic, B., Van Lare, C.E.J., Mayer, M.J.J., Schutyser, M.A.I., Westerink, J.B. Process to prepare chlorine-containing compounds **WO06087303 (2006)**.
8. Bader, M.S. Methods to solve alkaline-sulfate scales and related-gases problems **US20067093663 (2006)**.
9. McFarland, R.S. Seal and valve systems and methods for use in expanders and compressors of energy conversion systems **US20067093528 (2006)**.
10. Hsieh, H.-C. Desalinating process **WO06086017 (2006)**.

#### ADSORPTION REFRIGERATION

1. Oyamada, T. Photothermographic material **US20067144695 (2006)**.
2. Tranier, J.-P. Combined air separation natural gas liquefaction plant **US20067143606 (2006)**.
3. Hasselbrink, E.F., Libradoni, M., Sacks, R.D., Waite, J.H., Block, B.P., Thermal modulation for gas chromatography **WO2006127455 (2006)**.
4. Guilford, T.F. Liposomal formulation for oral administration of glutathione (reduced) and/or methylcobalamine for diseases related to glutathione deficiency and deficiency of the methionine remethylation pathway **WO06128133 (2006)**.
5. Cowan, S.M.L., McGinniss, V., Palmer, D.T., Risser, S.M., Brody, R.S. Method for stabilizing biomolecules in liquid formulations **US20067141542 (2006)**.
6. Shiflett, M.B., Yokozeki, A. Hybrid vapor compression-absorption cycle **WO2006124776 (2006)**.
7. Berry, J.M., Method and apparatus for anesthetic gas reclamation **WO06124578 (2006)**.
8. Arkharov, I.A., Arkharov, A.M., Kun, L.C., Gas separation liquefaction means and processes **WO06124796 (2006)**.
9. Brostow, A.A., Roberts, M.J. Integrated NGL recovery and liquefied natural gas production **WO06123240 (2006)**.
10. Van Egmond, C.F., Walter, R.E. Catalyst fines handling process **US20067141711 (2006)**.

#### ADSORPTION AIR-CONDITIONER

1. Nakano, H. Exposure technique **US20067145629 (2006)**.
2. Brown, J., S.M.D. Enhanced ceramic filter for drinking water treatment **WO06128187 (2006)**.
3. Yoneno, N., Kikutani, F., Nitta, H., Nozawa, S., Shigeoka, T., Shiratake, A., Asami, N., Nakano, K., Arima, S. Air Conditioned seat device and air conditioning system using the same **EP1723876 (2006)**.
4. Saito, H., Takemura, Y., Shoji, T. Apparatus and tool for adsorbing carbon dioxide and method for manufacture thereof **EP1721653 (2006)**.
5. Kitahata, K., Yanagi, M., Kasama, Y., Nomura, N., Teramoto, K., Nanbu, H., Yamazaki, Y., Horii, M., Fukushima, Y. Adsorptivity imparting agent containing porous silica **EP1721662 (2006)**.
6. Ueno, T., Kano, M., Hamada, T. Refrigerant compressor and friction control process therefore **US20067134381 (2006)**.
7. Sugimori, Y., Yokouchi, A., Sumiya, H., Naka, M. Lubricating grease composition and rolling apparatus **US20067135441 (2006)**.

8. Michalakos, P.M., Van Den Bussche, N., Tom, R. Environmental control system including vapor cycle system and isothermal CATOX/PTF *US20067132086 (2006)*.
9. Yamashita, I. Method for manufacturing a nucleotide detector *US20067129047 (2006)*.

#### ADSORPTION COOLING

1. Qian, J.Y., Baker, J.A. Adjuvants for negatively charged toners *US20067144671 (2006)*.
2. Finn, J., Sridhar, K.R. High-temperature compliant compression seal *US20067144651 (2006)*.
3. Funakubo, T. Photothermographic material *US20067144692 (2006)*.
4. Bazan, G.C., Liu, B., Conformationally flexible cationic conjugated polymers *US20067144950 (2006)*.
5. Kawanishi, T., Kobayashi, J., Shimizu, R., Yaguchi, S., Ouchi, H. Electrostatic charge image developing toner, and developer, image forming apparatus and image forming method using the same toner *US20067144667 (2006)*.
6. Kato, K. Method and apparatus for decomposition of substance contained in gas *US20067144556 (2006)*.
7. Paoletti, E., Tartaglia, J., Taylor, J., Gettig, R. Pox-virus-rabies recombinants and compositions and methods employing the recombinants *US20067144578 (2006)*.
8. Nakano, H. Exposure technique *US20067145629 (2006)*.
9. Oyamada, T. Photothermographic material *US20067144693 (2006)*.

#### ADSORPTION CHILLER

1. Doyle, J.A., Hildebrandt, F. Process and apparatus for converting oil shale or oil sand (tar sand) to oil *WO06124048 (2006)*.
2. Wang, X., Greenwald, H.J., Lanzafame, J. Weiner, M., Connelly, P.R. Therapeutic assembly *WO06121447 (2006)*.
3. Finn, J., Sridhar, K.R. Metal felt current conductor and gas flow distributor *US20067135248 (2006)*.
4. Olander, K.W., Mcmanus, J.V., Hultquist, S.J., Arno, J.I., Van Buskirk, P. Fluid storage and dispensing systems, and fluid supply processes comprising same *WO06119428 (2006)*.
5. Azami, M., Kokubo, C., Shiga, A., Isobe, A., Shibata, H., Yamazaki, S. Method for manufacturing semiconductor device *US20067129121 (2006)*.
6. Bergwerff, A.A., Bokken, G.C.A., Gortemaker, B.G. M. Immobilisation of antigenic carbohydrates to support detection of pathogenic micro-organisms *WO06112708 (2006)*.
7. Powell, R., Edwards, D.W., Wilson, A., Murphy, F.T., Bujac, P.D. Heat pump heat pump *WO06111773 (2006)*.

8. Gleason, K., Martin, T.P., Chan, K. Chemical vapor deposition of antimicrobial polymer coatings *WO06110540 (2006)*.
9. Dadebo, S.A., Katende, E., Klein, F.J.I. Facility monitoring method *WO06102104 (2006)*.

#### ADSORPTION HEAT PUMP

1. Sano, Y., Moizumi, Y., Miyashita, K. Method and apparatus for liquid preparation of photographic reagent *US20067144663 (2006)*.
2. Ishizuka, Y., Fukuda, K. Method of manufacturing cold cathode type electron emitting device *US20067144286 (2006)*.
3. Zsebo, K.M., Bosselman, R.A., Suggs, S.V., Martin, F.H. SCF antibody compositions and methods of using the same *US20067144731 (2006)*.
4. Lewis, D.J., Carlstrom, K.R., Bower, Jr., Stanley, L., Hahn, S.L. System and method for determining set point location for oxidant-based engine air/fuel control strategy *US20067143574 (2006)*.
5. Okada, K. Thermal development apparatus *US20067145587 (2006)*.
6. Nakagawa, H., Yasuda, T. Photothermographic material and image forming method *US20067144688 (2006)*.
7. Tranier, J.-P. Combined air separation natural gas liquefaction plant *US20067143606 (2006)*.
8. Cabrera-Llanos, R.M., Valadez-Castillo, R., Keer-Rendon, A. Method and system for feeding and burning a pulverized fuel in a glass melting furnace, and burner for use in the same *US20067143610 (2006)*.
9. Yeung, K.L. Yao, N. Novel TiO<sub>2</sub> material and the coating methods thereof *US20067144840 (2006)*.

#### COLD SPRAY

1. Baba, Y., Sato, Y., Fujita, R., Kotaki, T., Sugahara, N., Terauchi, K., Itakura, T. Toner and two-component developer *US20067144668 (2006)*.
2. Hayes, R.A. Aliphatic-aromatic polyetherester compositions, articles, films, coating and laminates and processes for producing same *US20067144632 (2006)*.
3. Hayes, R.A., Copolyetherester compositions containing hydroxyalkanoic acids and shaped articles produced therefrom *US20067144972 (2006)*.
4. Ross, B. Electrolysis cell and internal combustion engine kit comprising the same *US20067143722 (2006)*.
5. Jazenski, P.J., Dorrington, P.A., Hoy, D.E., Roitman, L.L. Aqueous adhesive compositions for bonding elastomers *US20067144630 (2006)*.
6. Andersen, L.N., Dela, I., Representative, H., Lange, N.E.K., Bjornvad, M.E., Moller, S., Glad, S.O.S., Kauppinen, M.S., Schnorr, K., Kongsbak, L.S. Pectate lyases *US20067144722 (2006)*.

7. Lok, B.K., Kramer, D., Rosenbaum, J.M., Pudlak, J., Blending of low viscosity Fischer-Tropsch base oils with conventional base oils to produce high quality lubricating base oils *US20067144497 (2006)*.
8. Karin, N., Wildbaum, G. Polypeptides and compositions comprising same and methods of using same for treating CXCR4 associated medical conditions *WO06126209 (2006)*.
9. Hale, W.R. Miscible high Tg polyester/polymer blend compositions and films formed there from *WO06127831 (2006)*.
10. Hale, W.R., Suthers, J.F. Polyester-polycarbonate blends for diffuser sheets with improved luminance *WO06127755 (2006)*.

#### LAVAL NOZZLE

1. Heinrich, P., Stoltenhoff, T., Richter, P., Kreye, H., Richter, H. Method and system for cold gas spraying *US20067143967 (2006)*.
2. Ogata, G., Takeuchi, H., Ejector-type depressurizer for vapor compression refrigeration system *US20067143602 (2006)*.
3. Grebennikov, V.T., Ivanov, A., Ivanov, A. Device for cutting of slot-like key seats in wells by a hydro-abrasive method *US20067140429 (2006)*.
4. Sjoedin, P., Rassmus, J. A Method of brazing articles of stainless steel *WO06126953 (2006)*.
5. Ganachaud, P., Rouxel, T., Iribarne, A. Liquid tank venting system *WO06125751 (2006)*.
6. Kashirin, A.I., Klyuev, O.F., Shkodkin, A.V., Apparatus for gas-dynamic applying coatings an method of coating *WO06123965 (2006)*.
7. Belzowski, M.D., Ludwick, R.E. Apparatus and method for applying solid edible particulates to an edible substrate *WO06117274 (2006)*.
8. Brunelle, H., Baron, S., Beland, M., Veyrie, H., Lemay, P., Bilodeau, S. Top wall assembly for a shower enclosure *EPI1719490 (2006)*.
9. Singh, H., Zhu, X.Q., Ye, A. Lipid Encapsulation *WO06115420 (2006)*.
10. Krause, T., Ferencz, R., Chhabra, R., Isele, O., Xu, H., Process and apparatus for forming unifrom nano-fiber substrates *WO06113791 (2006)*.

#### POWDER FEEDER

1. Suzuki, K., Kondou, T., Yamashita, M. Carrier and developer for latent electrostatic image development, container housing developer, image forming process, image forming apparatus, and process cartridge *US20067144669 (2006)*.
2. Suzuki, Y., Fujitani, S., Harada, N., Matsushita, K. Electromagnetic actuator and composite electromagnetic actuator apparatus *US20067145423 (2006)*.
3. Oshlack, B., Colucci, R., Wright, C., Breder, C. Pharmaceutical formulation containing opioid agonist,

opioid antagonist and bittering agent *US20067144587 (2006)*.

4. Andersen, E.J. Renewable energy carrier system and method *US20067144567 (2006)*.
5. Barnvos, D., Fleischman, H., Juravic, D., Keehn, W., Bautista, S., Lew, E.J., Diaz, Y., Baltorinic, F. Intermittent flow extrusion process and food product *WO2006128110 (2006)*.
6. Jani, B., Kabse, K., Boghani, N., Gebreselassie, P., Grant, S.R., Kiefer, J., Kuncewitch, T., Kramer, C., Robinson, M.K., Schmitz, K. Multi-Modality flavored chewing gum compositions *WO2006127754 (2006)*.

#### DIRECTED MODULATED LASER

1. Hoffmann, J.E., Nelson, G.R. Jr., Riley, D.I., Roup-hael, A.J., Proctor, Jr., J.A., Maximizing data rate by adjusting codes and code rates in CDMA system *US20067145964 (2006)*.
2. Glick, G.D. Compositions relating to novel compounds and targets thereof *US20067144880 (2006)*.
3. Chen, W.-G., Thumpudi, N., Lee, M.-C., Techniques for measurement of perceptual audio quality *US20067146313 (2006)*.
4. Bennett, V., Gramolini, A.O., Mohler, P.J., Methods of modulating localization and physiological function of IP3 receptors *US20067144706 (2006)*.
5. Holt, G.R., Fleisher, M., Depth-based surveillance image reconstruction *US20067145506 (2006)*.
6. Ogawa, Y., Ohgane, T., Nishimura, T., Iwami, M., Kitakado, J., Doi, Y. Radio receiving system *US20067145942 (2006)*.
7. Sandolo, R. Coffee roasting apparatus and method *US20067143686 (2006)*.
8. Fomitchov, P.A. Method and apparatus for imaging of tissue using multi-wavelength ultrasonic tagging of light *US20067144370 (2006)*.
9. Li, X., Liu, H., Zhang, W., Li, K. Multi-carrier communications with adaptive cluster configuration and switching *US20067146172 (2006)*.

#### DISPERSION COMPENSATION

1. Kataoka, S., Takeda, A., Sasaki, T., Seino, T., Koike, Y., Yoshida, H., Liquid crystal display device and method for fabricating the same *US20067145622 (2006)*.
2. Favre-Bulle, B., Manually operated working tool *US20067145329 (2006)*.
3. Amada, T., Ueda, T. Light scanning apparatus having a liquid crystal deflector and image forming apparatus using the same *US20067145589 (2006)*.
4. Chang, T., Tian, M., Babbitt, W.R., Merkel, K., Techniques for recovering optical spectral features using a chirped optical field *US20067145713 (2006)*.
5. Tadakuma, M., Mimura, Y., Sakano, M., Aso, O., Nakajima, T., Takahashi, K. Method and system for

- measuring the wavelength dispersion and nonlinear coefficient of an optical fiber, method of manufacturing optical fibers, method of measuring wavelength-dispersion distribution, method of compensating for measurement errors, and method of specifying conditions of measurement *US20067146085 (2006)*.
6. Stoltz, R., Delfyett, P.J. Controlling pulse energy of an optical amplifier by controlling pump diode current *US20067143769 (2006)*.
  7. Katagiri, T., Naito, T. Wavelength division multiplexing optical transmission system *US20067146066 (2006)*.
  8. Islam, M.N. Optical logic gate based optical router *US20067145704 (2006)*.
  9. Nakamura, K., Ooi, H., Takahara, T. Method and apparatus for adjusting filter device *US20067146107 (2006)*.
  10. Chaudhuri, S.-R., Hurwitz, M.Y., Holcombe, V., Marcus, K.T., Hurwitz, R.L., Yaluronid acid mediated adenoviral transduction *US20067144870 (2006)*.

#### DISTRIBUTED FEEDBACK LASER

1. Gobush, W. Launch monitor *US20067143639 (2006)*.
2. Black, M. Hygienic treatments of structures in body cavities *US20067144247 (2006)*.
3. Pai, S., Domingo, N., Whayne, J.G. Systems for heart treatment *US20067144363 (2006)*.
4. Seul, M., Chau, C.W. System and method for programmable illumination pattern generation *US20067144119 (2006)*.
5. Frederiksen, T.R. Jr., Krasulick, S.B., Optical transmitter with SBS suppression *US20067146110 (2006)*.
6. Kim, S.-Y., Jung, S.-T., Song, J.-H., Lee, K.-S., Lim, J.-H. Optical coupler type filter and wavelength stabilizing apparatus of light source using the same *US20067146077 (2006)*.
7. Typpoe, P., Muench, R., Ischodonat, T. Measuring device *US20067146279 (2006)*.
8. Farmer, J.O. Method and system for providing a return data path for legacy terminals by using existing electrical waveguides of a structure *US20067146104 (2006)*.
9. De Donno, M., Repington, A. Multiple stage raman optical amplifier *US20067145716 (2006)*.
10. Irwin, D.S. Device for oral UV photo-therapy *US20067144248 (2006)*.

#### OPTICAL FIBER

1. Nara, K., Kashihara, K., Matsubara, N. Dynamic gain equalizer *US20067146079 (2006)*.
2. Chern, S.-S. Optical switch *US20067145707 (2006)*.
3. Simpson, S.S., Foster, W.S., Livingston, K.R., Configurable web-based imaging service that prevents time

consuming jobs from printing *US20067145678 (2006)*.

4. Simpson, S.S., DuBois, D.J.H. Web-based imaging device service influenced by accessories *US20067145686 (2006)*.
5. Romano, R., Fry, R., Daniels, W. Light projector *US20067144134 (2006)*.
6. Sexton, R.J., Martin, F.L., Garris, III., C.A. Electrical wire and method of fabricating the electrical wire *US20067145073 (2006)*.
7. Geist, R.E. Head-mounted virtual display apparatus for mobile activities *US20067145726 (2006)*.
8. Fujieda, I. Diffractive optical element and optical device using the same *US20067146076 (2006)*.
9. Yokota, I. Optical transmission system *US20067146071 (2006)*.
10. May, D.F., Rains, J.C. Jr. Integrating chamber cone light using LED sources *US20067145125 (2006)*.

#### METRO OPTICAL

1. Elliott, I.K. System, method and article of manufacture for selecting a gateway of a hybrid communication system architecture *US20067145898 (2006)*.
2. Shotland, A., Sego, R.M. Advertising systems and methods *WO06128104 (2006)*.
3. Brimble, M.A., Harris, P.W.R., Sieg, F. Analogs of glycyl-prolyl-glutamate *WO06127702 (2006)*.
4. Lumb, P. Routing based upon origin of a call *WO06125743 (2006)*.
5. Parruck, B., Ramakrishnan, C. Multi-service segmentation and reassembly device with a single data path that handles both cell and packet traffic *US20067142564 (2006)*.
6. Anderson, E., King, W.A., Fink, Y., Pressman, L. High index-contrast fiber waveguides and applications *US20067142756 (2006)*.
7. Tien, P., Jang, G.-W., Chu, A.K., Lin, J.-Y., Lin, Y.-H., Hung, M.-C., Variable optical attenuator derived from sol-gel material and manufacturing method thereof *US20067142766 (2006)*.
8. Hirth, R.E., Lamb, L.D., Kramer, G., Brown, B. Method and system for mitigating raman crosstalk in an ethernet passive optical network *WO06124532 (2006)*.
9. Garetz, B.A., Myerson, A.S., Arnold, S., Aber, J.E., Method for using a static electric field to induce crystallization and to control crystal form *WO06124152 (2006)*.
10. Parruck, B., Ramakrishnan, C. Using an embedded indication of egress application type to determine which type of egress processing to perform *US20067139271 (2006)*.

**LONG HAUL OPTICAL NETWORK**

1. Fenner, P.R. Packet switching node *US20067145906 (2006)*.
2. Yee, T.K., Chang, P.H., Tarng, S.-S., Cutler, G.M., Yazhgur, S., Li, J., Newell, L.J., Coward, J.F., Rowan, M.W., Swenson, N.L., Bashaw, M.C. Optical communications using multiplexed single sideband transmission and heterodyne detection *US20067146103 (2006)*.
3. Dawes, I., Kalyansundaram, S., Harney, G. Optical media management channel *US20067146101 (2006)*.
4. McNeil, R., P., J., Delgadillo, D. Full multicast connectivity over SONET *US20067145916 (2006)*.
5. Neubelt, M.J. COTDR arrangement for an undersea optical transmission system comprising multiple cable stations and multiple transmission segments *WO06127206 (2006)*.
6. Morey, W.W., Deng, X., Horwitz, J.W., Qiao, J. System and method for controlling spectral passband profile *US20067142749 (2006)*.
7. Pearce, R., Cline, D. System for motion control, method of using the system for motion control, and computer readable instructions for use with the system for motion control *US20067143301 (2006)*.
8. Hamilton-Gahart, J. WDM ring interconnection *US20067142745 (2006)*.
9. Zhou, X., Birk, M. Fast dynamic gain control in an optical fiber amplifier *US20067142356 (2006)*.
10. Shahar, A. Optical coincidence system for narrowing the width of output pulses relative to optical signal and control pulses *US20067142750 (2006)*.

**SINGLE MODE FIBER**

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