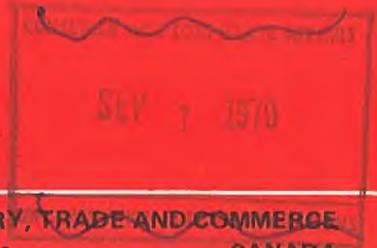


new products bulletin

INDUSTRIAL AND TRADE
ENQUIRIES DIVISION

DEPARTMENT OF INDUSTRY, TRADE AND COMMERCE
OTTAWA
CANADA



This bulletin is published monthly as a complimentary service to promote additional manufacturing in Canada. Information on offers included in the bulletin is for circulation to established or prospective Canadian manufacturers only. No responsibility is assumed for claims or statements made. Address enquiries concerning the following items to:

Mr. K.E. Hacker, Industrial and Trade Enquiries Division, Department of Industry, Trade and Commerce,
Tower B, Place de Ville, Ottawa 4, Ontario.
TEL: 992-4441, Area Code 613

SCIENCE AND
TECHNOLOGY CANADA
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BULLETIN 177

AUG 13 1996

AUGUST, 1970

Self-Securing Fasteners and Components

BIBLIOTHEQUE
INDUSTRIE, SCIENCE ET
TECHNOLOGIE

Item 2282

British firm is offering a licensing arrangement for the Canadian manufacturing and marketing rights to its patented self-securing fasteners and components. These self-securing fasteners are designed for use in (1) electronic assembly work as terminals, threaded bushes, wire-wraps, lugs, components, etc., and (2) mechanical assembly work as threaded bushes, studs, spacers, components, etc. Through the use of single, multi and automatic insertion tooling these components punch their own holes in sheet materials such as laminate/glass printed circuit-boards, steel, aluminum alloys and are secured in the same operation. This self-securing feature provides accuracy and time saving. The licensor would provide complete know-how and technical data and the assistance of engineering personnel. Literature available. See illustration.

Building Process by Pre-Manufactured Modules

Item 2283

Swiss company offers under license the Canadian manufacturing and marketing rights to its building process to manufacture prefabricated building modules on an assembly line basis. The module has a basic metallic structure and hollow walls forming moulds through which concrete is poured, resulting in a reinforced concrete structure with all services, partitions and finishes included. Literature available. See illustration.

Concrete Prefabricated Buildings

Item 2284

Finnish building technique is offered under license to Canadian construction companies. This patented technique is based on the prefabrication in a factory of completely manufactured and finished room elements. The elements are then transported from the factory to the building site where they are assembled. This technique is designed for the construction of apartment buildings, houses, etc., and the main advantages claimed by the licensor are that only 10 working days are needed to erect a 25 unit apartment building excluding foundation. Literature available.

Weldable Construction Steel

Item 2285

Czechoslovakian state licensing agency offers a licensing arrangement for the Canadian production rights and continental America marketing rights for its weldable construction steel. The major use of this steel is in the production of large-sized pressure vessels with wall thicknesses of about 200 mm and flanges of about 600 mm. It is claimed that this steel has high plastic properties and that the stress effects of ageing are suppressed. Literature available.

Restructured Cellulosic Forage**Item 2286**

Italian firm is offering a licensing arrangement for the Canadian manufacturing and marketing rights to its restructured cellulosic forage (synthetic hay) for use in feeding ruminant animals, e.g., cattle, sheep, goats. This synthetic hay is manufactured from cellulose fiber containing agricultural waste products, or from green forage. This synthetic animal feed consists of an outside covering similar in form to a stem of hay enclosing a feed concentrate. The feed concentrate may be produced from hydrocarbons or from poultry manure. The licensor would provide technical know-how and technicians if required. Literature available.

Diaper Cleaner**Item 2287**

Canadian inventor offers for sale the Canadian production and world-wide marketing rights for his diaper cleaner. It is claimed that the device conveniently cleans and sanitizes a soiled baby's diaper in less than a minute thereby overcoming the familiar disadvantages associated with the old soaking process. In operation, the cleaner is secured to the top of the toilet bowl and a coiled "extension" type water line is instantaneously connected to the basin faucet. The soiled diaper is dropped into the unit and is held in position when the lid is closed. An eductor provides for entrainment of the correct amount of a special diaper cleaning sanitary fluid into the water stream. The cleaned diaper is automatically wrung dry on removal. Final washing is not usually necessary. The inventor will provide technical information together with market and sales forecasts. Literature available. See illustration.

Swimming Pool Alarm System**Item 2288**

British company offers the Canadian manufacturing and marketing rights to its swimming pool alarm system comprised of two sensors. One, a light beam, is located in the area surrounding the pool; the other, a microphone connected to an amplifier, is submerged in the pool. If a signal is first received from the light beam and a second from the microphone, a logic system combines the two signals which triggers an alarm to indicate that someone is in the pool. Literature available.

Collapsible Shipping Containers**Item 2289**

Italian company offers the Canadian manufacturing rights and the North American marketing rights for its collapsible shipping containers which fold up and stack flat when empty. These units are smaller than the Standard C,-ISO container and therefore do not require the special facilities needed for handling such containers. On the other hand, these containers can be grouped by means of a grouping frame to build up a Standard C,-ISO container. Units are constructed of cold rolled sections and steel sheet; the side walls are hinged and connected by special latches to provide a rugged unit. Literature available. See illustration.

NEW CANADIAN PATENTS AVAILABLE FOR LICENSING OR SALE

Canadian patent applications may be filed in French or English and the subsequent patents or abstracts appear in the language of filing. Please request abstracts of the following patents by number from the Industrial and Trade Enquiries Division, Department of Industry, Trade and Commerce, Ottawa 4, Ontario.

Invention	Patent issued	Patent No.
Electronic Component Assembly Apparatus	May 26/70	842,473
Method and Apparatus for Crimping Electrical Connectors	May 26/70	842,474
Process for Conditioning a Hard Snow or Ice-Like Snow Covered Ski Slope and Apparatus Therefor	May 26/70	842,481

Damped Navigation System	May 26/70	842,503
Hopper Car Shaker	May 26/70	842,506
Berry Cleaner and Washer	May 26/70	842,562
Self-Oiling Means for Saw Chain Links	May 26/70	842,564
Vertically Ribbed Plastic Containers and the Method of Making Same	May 26/70	842,599
Form Drawing of Fluted Tubing	May 26/70	842,603
Clamp Means	May 26/70	842,641
Game Board	May 26/70	842,650
Control Valve for Hydraulic Fluids	May 26/70	842,666
Coolant Salt for a Molten Salt Breeder Reactor	May 26/70	842,701
Rotary Retort Furnace	May 26/70	842,706
Single Unit Delayed Coking and Calcining Process	May 26/70	842,763
Decomposition Products of Δ 4,20,22	May 26/70	842,787
Preparation of B-Scillarenin	May 26/70	842,788
Amphoteric Phenolic Compounds	May 26/70	842,795
Process for Preparing Ergoline Derivatives	May 26/70	842,807
Gas Filled Envelope for a Spark Gap or the Like	May 26/70	842,982
Gaseous Ignition of Arc Plasma Torch	May 26/70	842,995
Hot Wire Cutting Machine	May 26/70	842,999
Sheet Panel Wall Assembly and Method of Making	June 2/70	843,056
Truss Girders	June 2/70	843,057
Pre-Stressed Truss	June 2/70	843,058
Apparatus for Manufacturing Electrical Conductor Quads	June 2/70	843,066
Connecting Anchor for Multiple Layer Concrete Panels	June 2/70	843,092

Differential Gear Assemblies	June 2/70	843,103
Dispositif automatique d'ancrage d'une installation flottante au moyen d'amarres à tension contrôlée	juin 2/70	843,167
Continuous Pay-Out Devices for Wire and the Like	June 2/70	843,169
Vertical Venetian Blinds	June 2/70	843,207
Press Tools	June 2/70	843,213
Method and Composition for Treating Subterranean Formations	June 2/70	843,214
Handle Assembly for Luggage or the Like	June 2/70	843,255
Automatic Hook	June 2/70	843,297
Apparatus for Exothermic Catalytic Reactions	June 2/70	843,342
Titanium Steel Alloy	June 2/70	843,364
Method and Apparatus for Localized Galvanic Precipitation of Metals on Metal Workpieces	June 2/70	843,421
Method of Preparation of Plastifiers for the Treatment of Granular or Pulverulent Materials	June 2/70	843,443
Blending of Polyvinyl Chloride with Rubber or Thermoplastics	June 2/70	843,474
Dosimeter Incorporating an Electro-Chemical Integrating Device	June 2/70	843,520
Power Source for an Appliance	June 2/70	843,537
Sonde magnéto-électrique pour la détection des discontinuités de résistivité électrique du sous-sol	juin 2/70	843,552
Connector	June 2/70	843,578
Connector	June 2/70	843,581
Controls for Elevator Doors	June 2/70	843,589
Automatic Safety Cut-Off Valve	June 9/70	843,735
Method for Grooving Laminar Sheet Material	June 9/70	843,747
Sealing Disc for Crown Closures	June 9/70	843,773

Adhesive Tape Dispenser	June 9/70	843,782
Football Kicking Device	June 9/70	843,813
Method of Producing Highly Transparent Flat Foils	June 9/70	843,840
Equipment for Metallurgical Continuous Treatment of Various Materials in Low Pressure and at Elevated Temperature	June 9/70	843,856
Production of Anosovite From Titaniferous Minerals	June 9/70	843,863
Production of Azo Dyes Developable By Heat	June 9/70	843,877
Process for the Continuous Production of Wort	June 9/70	843,921
Chopper Stabilized Operational Amplifier	June 9/70	844,158
Vehicle Identification System	June 9/70	844,208
Mis Integrated Circuit and Method of Fabricating the Same	June 9/70	844,234
Articulated Joint	June 16/70	844,251
Mowing Machines	June 16/70	844,283
Nozzle for Extruding or Pressing Plastic Masses into Substantially Helical Filaments	June 16/70	844,349
Safety Device for Liquefied Petroleum Gas Cylinders with Limited Rate of Delivery	June 16/70	844,352
Side Wall Firing System for Multi-Stand Annealing Covers	June 16/70	844,375
Control for Hydraulic Drive Mechanism	June 16/70	844,386
Process for Purifying Air	June 16/70	844,388
Cake De-Panner	June 16/70	844,401
Composite Tipple Device	June 16/70	844,403
Jig à concentration localisée	juin 16/70	844,411
Thermostat	June 16/70	844,431
Braking System	June 16/70	844,470

Endless Track for Track Laying Vehicles	June 16/70	844,471
Bituminous Emulsions	June 16/70	844,477
Method of Obtaining Elemental Sulphur from Pyrite or Pyrite Concentrate	June 16/70	844,504
Process for the Recovery of Petroleum	June 16/70	844,511
Uranium Carbide-Plutonium Phosphide as a Reactor Fuel	June 16/70	844,516
Vehicle Identification System	June 16/70	844,766
Molten Metal Level Detector and Method	June 16/70	844,772
Horizontal Deflection Circuit	June 16/70	844,789
Panel Member for Roof Construction	June 23/70	844,809
Harvester	June 23/70	844,834
Fluid Flow Computer	June 23/70	844,852
Wire Mounting Clip	June 23/70	844,864
Production of Crude Oil Using Stabilized Emulsions	June 23/70	844,923
Rolled Carpet Handling Truck	June 23/70	844,962
Plastic Bag with Sampling Pouch	June 23/70	844,965
Continuous Casting Method for the Two-Stage Manufacture of Semi-Finished Steel Sections	June 23/70	845,046
Spin Welding Machine	June 23/70	845,090
Inoculum Against Poultry Diseases	June 23/70	845,095
Procédé de fabrication de la cyclodécane	juin 23/70	845,193
Hydrogenation of Benzene to Cyclohexane	June 23/70	845,204
Adhesive Stick	June 23/70	845,236
Bulk-Head Mounting Plate	June 23/70	845,322
Overhead Annular Covering in a Dual Cable System for Polygonal, Elliptical or Circular Plan Buildings, Such as Sports Grounds or the Like	June 30/70	845,356
Fish Hook Bait Holder	June 30/70	845,381

Vacuum Held Hydrostatic Rotor	June 30/70	845,383
Log Break-Down Method and Apparatus	June 30/70	845,457
Barking Machine	June 30/70	845,459
Magnetic Safety Iron Rest	June 30/70	845,464
Method of Creating Large Diameter Bore Holes Using Underground Nuclear Detonations	June 30/70	845,474
Materials Handling and Treating System	June 30/70	845,510
Configuration of Heat Transfer Tubing for Vapor Condensation and Method and Apparatus for Manufacturing the Same	June 30/70	845,537
Closure Connection Means for a Heat Exchanger	June 30/70	845,555
Process of Melting Steel Scrap Containing Chromium, Chromium and Nickel, or Chromium, Nickel, and Molybdenum	June 30/70	845,626
Agents for Improving Fertility of Soil	June 30/70	845,631
Preservation of Yeast	June 30/70	845,686
Process and Apparatus for Devolatilizing Solid Materials	June 30/70	845,691
Extended Aeration Sewage Treatment Plants	June 30/70	845,750
Semiconductor Components	June 30/70	845,890
Automatic Liquid Dispenser	July 7/70	845,916
Liquid Aerator or Pump	July 7/70	845,973
Door Alignment Device	July 7/70	846,006
Sheet Metal Can	July 7/70	846,026
Automatic Electronic Microwave Cooking and Vending Machine	July 7/70	846,039
Waxy Triazines, Process for Their Production and Surface Treating Compositions Containing Them	July 7/70	846,183
Processes for the Reaction of Haloethers with Olefins	July 7/70	846,218
Deodorizing Treatment of Aqueous Solutions	July 7/70	846,228

Platable Polymers	July 7/70	846,231
Stud Welding Device	July 7/70	846,340
Semi-Conductor Chopper Circuit for Chopper Stabilized Operational Amplifiers and Method	July 7/70	846,357
Modular Terminal Connector Block	July 7/70	846,387
Depth Dial	July 14/70	846,477
Gill Box	July 14/70	846,467
Levelling Control for a Press	July 14/70	846,520
Archimedian Screw Pump	July 14/70	846,526
Binder	July 14/70	846,544
Apparatus for Marking Metal Sheets	July 14/70	846,568
Method of and Apparatus for Extracting Bitumen	July 14/70	846,572
Coil Spring Centering Device	July 14/70	846,605
Tree Folding and Packaging Device	July 14/70	846,623
Variable Drag Fishing Reel	July 14/70	846,634
All-Auger Snow Remover	July 14/70	846,649
Multi Zone Fluid Mixing Apparatus	July 14/70	846,700
Lithium Fluoride Dosimeter	July 14/70	846,705
Method and Apparatus for Diffusion Coating of Metals in Coiled Strips	July 14/70	846,760
Use of Certain Oxime Esters in Controlling Fungi Upon Cellulosic Materials	July 14/70	846,786
Graphite Anode	July 14/70	846,807
Amino-Benzoic Acid Derivatives and Preparation Thereof	July 14/70	846,847
Process for Production of Olefines by Dimerization, Co-Dimerization, Polymerization and Co-Polymerization of Olefines	July 14/70	846,872

ADDRESS ENQUIRIES CONCERNING THE FOLLOWING CASES TO:

Canadian Patents and Development Limited,
275 Slater Street,
Ottawa 4, Ontario.

Self Q-Switching of Lasers**Case 4209**

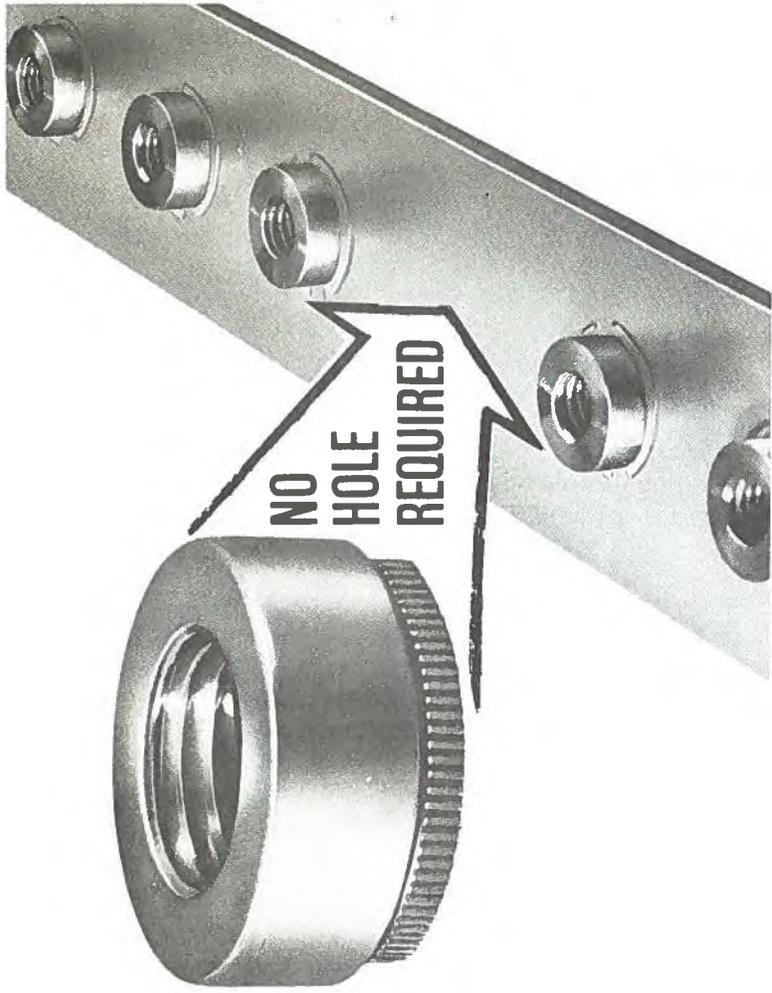
Giant-pulse lasers store energy during pumping and release it in a short, extremely powerful, pulse. The start of laser action depends upon energy losses and can be controlled in various ways. In this invention internal reflections from prismatic surfaces enhance photon density in one part of the laser material itself, so that it can act as a saturable absorber to delay laser action.

Pseudo-Random Rhythm Generator**Case 4285**

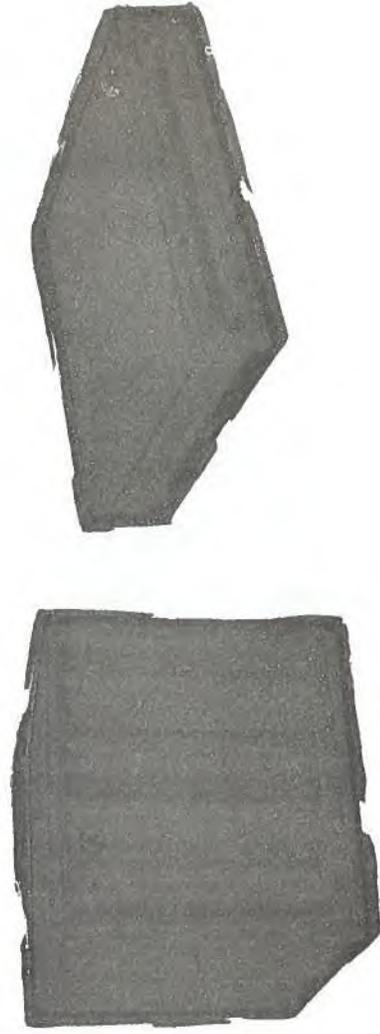
An electronic generator for controlling percussion sounds in electronic music, which provides complex rhythm patterns, (rhythm breaks) like a human player. It avoids the repetitiveness that makes standard rhythm generators tiresome.

Vapour Sampling Device for Mass Spectrometry**Case 4331**

A simple vapourising device designed to produce a vapour having the same isotopic concentration as the liquid from which it is drawn. It was developed for Mass Spectrometric analysis of the deuterium content of water.



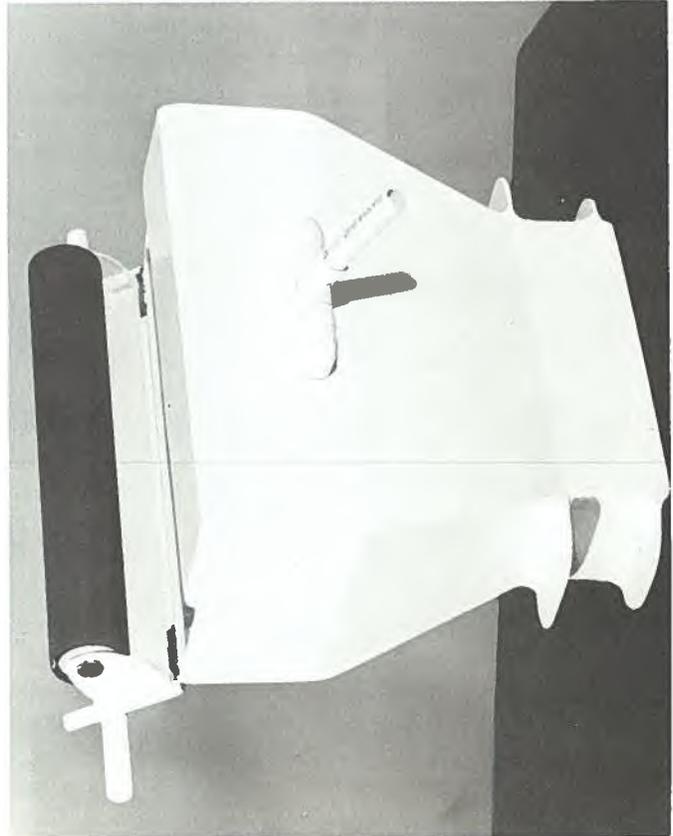
Item 2282 — Self-Securing Fasteners and Components
 Article 2282 — Attaches et pièces d'assemblage à ancrage



Item 2289 — Collapsible Shipping Containers
 Article 2289 — Container repliable



Item 2283 — Building Process by Pre-Manufactured Modules
 Article 2283 — Procédé de construction utilisant des modules préfabriqués



Item 2287 — Diaper Cleaner
 Article 2287 — Lave-couches