

TECHNOLOGY OFFERS

CHINA

Glass Wool Production Line

A Chinese Company offers Glass Wool Production Line/Glass Wool Machine with the following specifications: 1. Workshop area: 3,000m² 2. Natural gas wastage: 252x104Nm 3. Compressed air: 20m/h, 0.8MPa 4. Product specs: 1). Dia. of fiber: =0.8um 2). Heat conductivity: 0.042W/mk 3). Working temperature: 400oC (max.) 4). Density: 15-50kg/m³ 5. Standard: GB/T13350-2000 6. Product series: glass wool board and glass-wool belt, pipe and so on.

Area of Application

Construction and Insulation

Advantages

- Good thermal insulation performance
- Incombustible material
- Sound absorption performance and excellent noise reducing effect
- Low moisture absorption rate
- Low aging rate
- Excellent handling characteristics

Environmental Aspects

Cleaner production, waste utilization

Development Status

Idea

Legal Protection

Trade Mark

Technical Specifications

HIM-GW-3, HIM-GW-5, HIM-GW-6, HIM-GW-8, HIM-GW-10, HIM-GW-15

Transfer Terms

Turnkey

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GREECE

Innovative Transmission Mechanisms for Variety of Applications

A Hellenic (Greek) Laboratory, highly specialized in Pure Mechanical Systems, has developed an innovative transmission mechanism with many significant applications and is looking for license agreement and/or technical cooperation agreement and/or partners involved in production of the mechanism and/or its applications.

Areas of Application

Major market applications: • Volumetric machines in general • stationary internal combustion engines • engines for cars, motorcycles, trucks, tractors • engines for crafts, light aircrafts • Stirling solar energy systems • Stirling geothermal systems • hydro-electric plants • wind power generators.

Advantages

- Maximum mechanical efficiency (deviation of degree of efficiency of non-circular gears from the one of standard gears less than 0.1%)
- maximum robustness (all bodies are freely supported at both ends and all toothings are or can be strictly planar)
- maximum compactness (ratio of working volume to total toroidal volume up to nine to ten • not for the engines of the application examples of both international applications)
- achievement of any desired progressiveness
- capability of stop-and-start operation
- capability of very slow output without an additional reduction unit
- achievement of excellent sealing
- capability of isochoric combustion
- capability of isobaric combustion.

Environmental Aspects

Cleaner production, energy efficiency

Development Status

Laboratory model

Legal Protection

Patent

Transfer Terms

Consultancy, subcontracting, joint venture, technical services, technology licensing, turnkey, research partnerships

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HUNGARY

POREL 100 – Air Filtering Device

The offering client, a Hungarian SME has developed an innovative new compact room air filtering machine. The company has been working on innovative products for more than 15 years. Besides the development and manufacture of air filtering systems their other activities include manufacture of electronic devices together with repairing and distribution of communication engineering devices.

Areas of Application

Potential areas of use: 1. In living areas, children's rooms, offices, schools, places of entertainment and catering, work places where allergies like dust, pollen, hair, feather, fume and smoke can occur and can be absorbed. 2. Sterilization of ventilated air. 3. Equalizing the temperature between ground and ceiling in high ceiling spaces. 4. Increasing humidity in dry places as well as decreasing humidity in wet places. 5. Decreasing static charge due to the rise of air humidity. 6. Ceasing all allergies caused by dust and smoke. 7. Curing allergies via sterilized, natural remedies. 8. For people suffering from asthma or allergies.

Advantages

Main advantages: Non-filter based (works with water and vacuum). Instead of using a costly filter, in the LLTS-system water acts as a filter with the same efficiency. Scent of Home Cozy fragrance lingers around the room from the water in LLTS. Safe, easy maintenance, low noise level, low

energy consumption, well suited for use in rooms occupied by smokers.

Environmental Aspects

Cleaner production, energy efficiency

Development Status

Commercial prototype

Technical specifications

Technical features: • energy consumption: 8W • water in filter: 4.3l • measurements: length: 340 mm, width: 200 mm, height: 260 mm • texture: fine plate • surface: acid and alkali resistant

Transfer Terms

Joint venture, technology licensing, equipment supply, research partnerships

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INDIA

Biopesticides-Microbial & Neem-based manufacturing

We provide technical assistance in the setting of manufacturing units of biopesticides.

Areas of Application

Agriculture, biotech, fertilizers, microbiology

Advantages

Cost effective and efficacious products

Environmental Aspects

Chemical-free organic products

Development Status

Fully commercialized

Transfer Terms

Consultancy, joint venture, technical services, research partnerships

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INDIA

Electric Vehicle with easy and Auto Recharging System

An Indian inventor has a patented technology for designing a non-polluting electric vehicle and this model could be turned into a hybrid vehicle as well.

Area of Application

Transport sector

Advantages

1. reduces air pollution, 2. no noise pollution, 3. renewable energy sources can be used for operation, 4. reduces oil consumption, 5. competes with IC engines

Environmental Aspects

Cleaner production, energy efficiency

Development Status

Idea, design, commercial prototype

Legal Protection

Patent

Transfer Terms

Joint venture, research partnerships

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INDIA

Biofungicidal Formulation

We have developed an innovative biofungicidal formulation. The formulation is neem oil based which contains some natural components.

Area of Application

Agriculture

Advantages

It controls the arial as well as soil borne bacterial and fungal pathogens of the crops and fruits. It increases the growth and yield of crops and fruit plants, reduces the pest and insect attack in next crop sown in the field. Easy preparation at very low input costs.

Environmental Aspects

Not Applicable

Development Status

Laboratory model, pilot plant

Legal Protection

Filed

Transfer Terms

Venture, technical services, technology licensing, research partnerships

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