◆Patent application

## Synthetic bio-oil Technology introduction



gas and H2O

gas

Production process Raw materials <4 liquid mixture> Purpose Synthetic Bio-Oil **1**Boiler equipment Mixing Process <Various uses> Registration □Octane level: High Octane level: High Miniaturization and gh octar **□Volatility** : High chemical bonding process □Viscosity : Low ☐Brownian motion effect due to Mixing ratio grain refinement adjustment Cashew Nut Oil ☐ Ester bonds that do not separate (CNSL) for over 1 year! Cetane level 値: High By using high octane type... □ Complete combustion and reduction 100% Carbon neutrall □Cetane level : High of pollutants such as black smoke Green energy ☐ Self-combustible: High □Clean combustion furnace and easy : High cleaning □Viscosity 2Diesel engine power generation ☐ Realization of chemical Pre-mixing bonding of oil and water ☐ Addition amount is 0.3process Mix SN Water 0.5% of the total amount Main Mixing □Uses water gas □ Perfect Process **♦**Patent Super Nano (SN) combustion Miniaturization International patent Low cost Water and chemical realization By using high cetane type... Oxygen nanobubble wat bonding process □ High self-combustibility / Compatible Left: 100% ethanol Ultra-fine oxygen mixed water with diesel internal combustion engines Middle: SN Bio Ethanol □Sonochemistry Chemistry
Ultrasonic effect Right: SN Bio Cashew Oil (All contain 30% water) ☐ Electromagnetic energy radiation SN Water method **3**Steam gas engine power generation anufacturing Activated water with high Process heat retention International patent Hvbrid PCT application compatible with □ Fine molecularization ☐ Highly efficient ■World's first! Generate various fuels! • Miniaturization of molecules 1800°C electromagnetic wave energy by oxygen mixing of each raw material super high elemental particle shock waves in temperature fluid! Complete combustion Water in furnace Cycle combustion Electromagnetic Electromagnetic of carbonized gas Recirculating infinite energy Increased surface area and hydrogen gas infinite energ combustion **PUMP** Brownian motion effect Good combustion result of combustion

Energy Increase