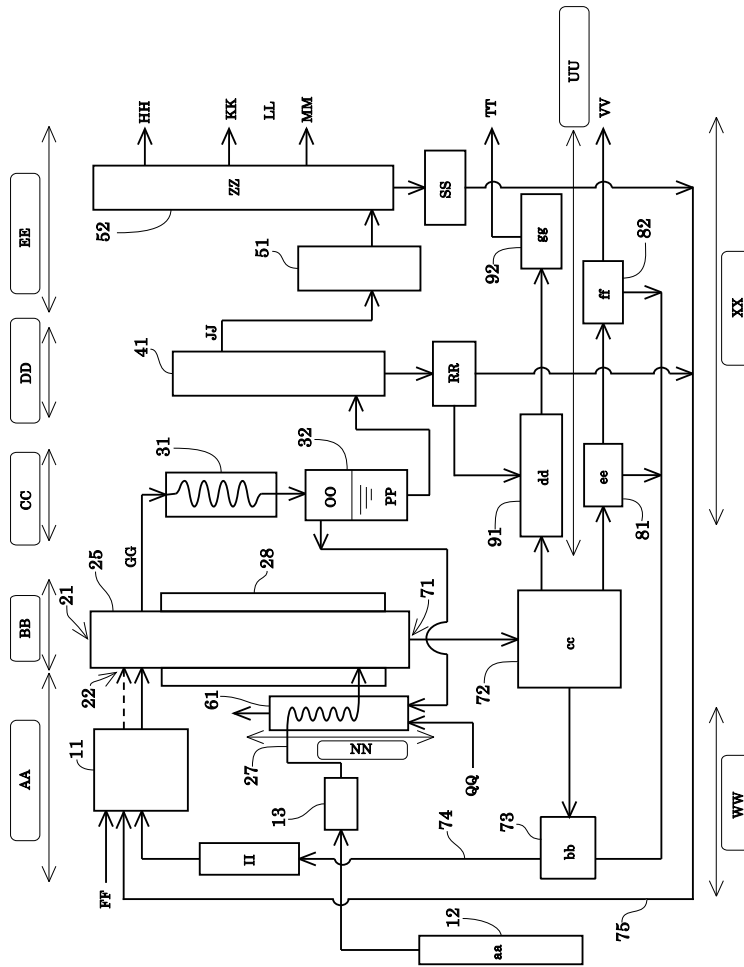


FIGURES

- 11: Pretreatment apparatus 12: Gas container
 13: Mass flow controller
 21: Fluidized-bed-type decomposition apparatus
 22: Raw material supply port 25: Reaction tube
 27: Carrier gas line 31: Cooler
 32: Gas-liquid separation tank
 41: Separation apparatus
 (first distillation column in an illustrated example)
 51: Reforming furnace 52: Second distillation column
 61: Heat exchanger 71: Outlet
 72: Storage unit 73: Particle size adjuster
 74: Recycling system
 75: Return line (re-decomposition system)
 81: Activator 82: Refiner
 91: Mixer, muller, kneader
 92: Molding machine, firing furnaces
 AA: Raw material supply step
 BB: Decomposition step
 CC: Gas-liquid separation step
 DD: Decomposed oil separation step
 EE: Production step of producing a liquid fuel
 FF: Organic raw material
 GG: Non-solid decomposition component
 HH: Naphtha (bio-naphtha)
 II: Carbon particle JJ: Light cracked oil
 KK: Aviation fuel (SAF)
 LL: Kerosine (bio-kerosine)
 MM: Diesel fuel (bio-diesel fuel)
 NN: Heat recovery step
 OO: Off-gas PP: Decomposed oil
 QQ: Air RR: Heavy cracked oil
 SS: Stillage oil
 TT: Solid fuel (bio-coal or bio-coke)
 UU: Production step of producing solid fuel
 VV: Activated charcoal
 WW: Activated charcoal originating from biomass waste)
 XX: Step of recycling
 YY: Step of producing activated charcoal
 ZZ: Distillation column
 aa: Carrier gas bb: Particle size adjustment
 cc: Solid residue
 dd: Mixing, mulling, kneading
 ee: Activation ff: Refining
 gg: Molding, firing

[Fig. 1]



[Fig. 2]

