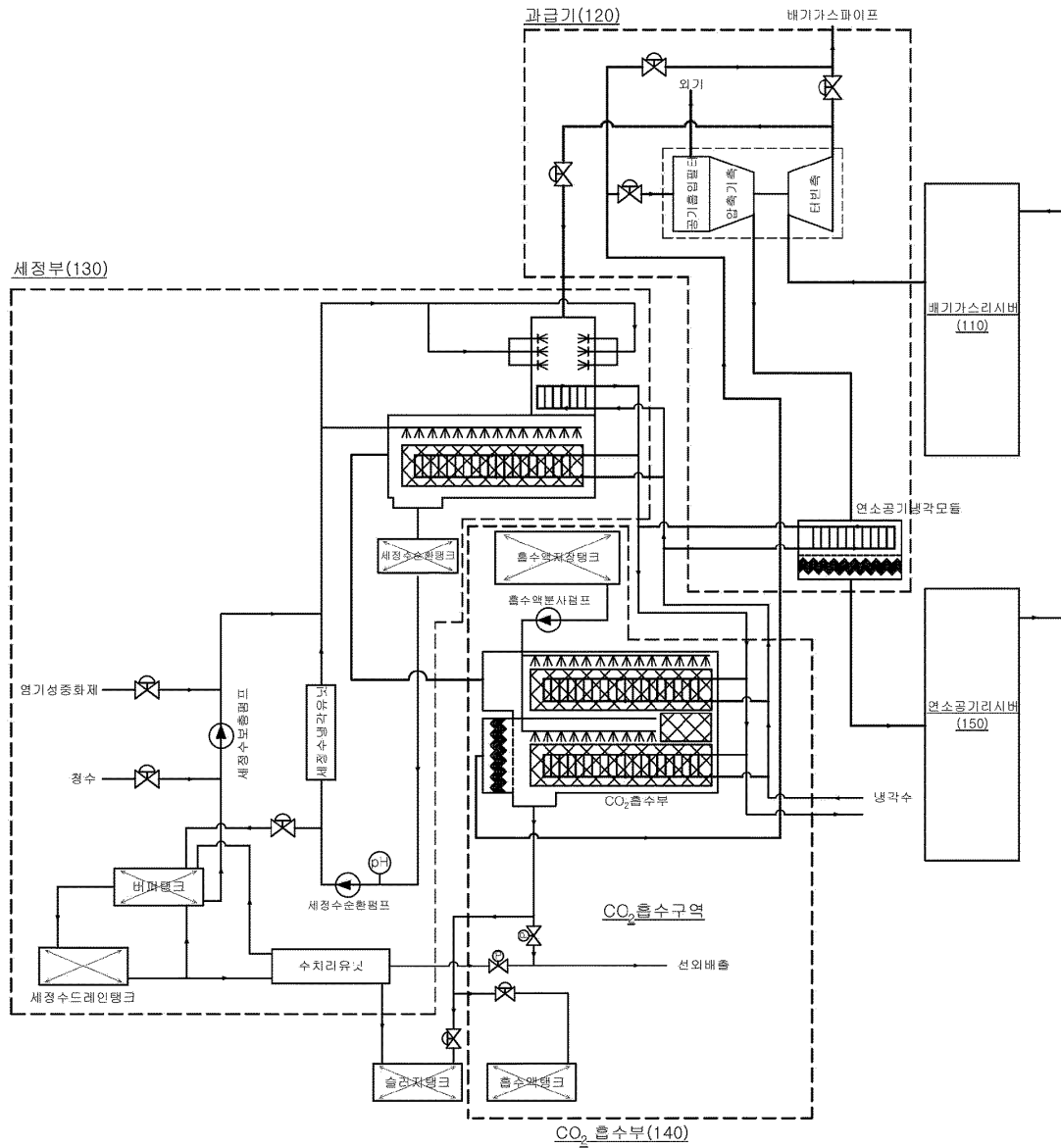
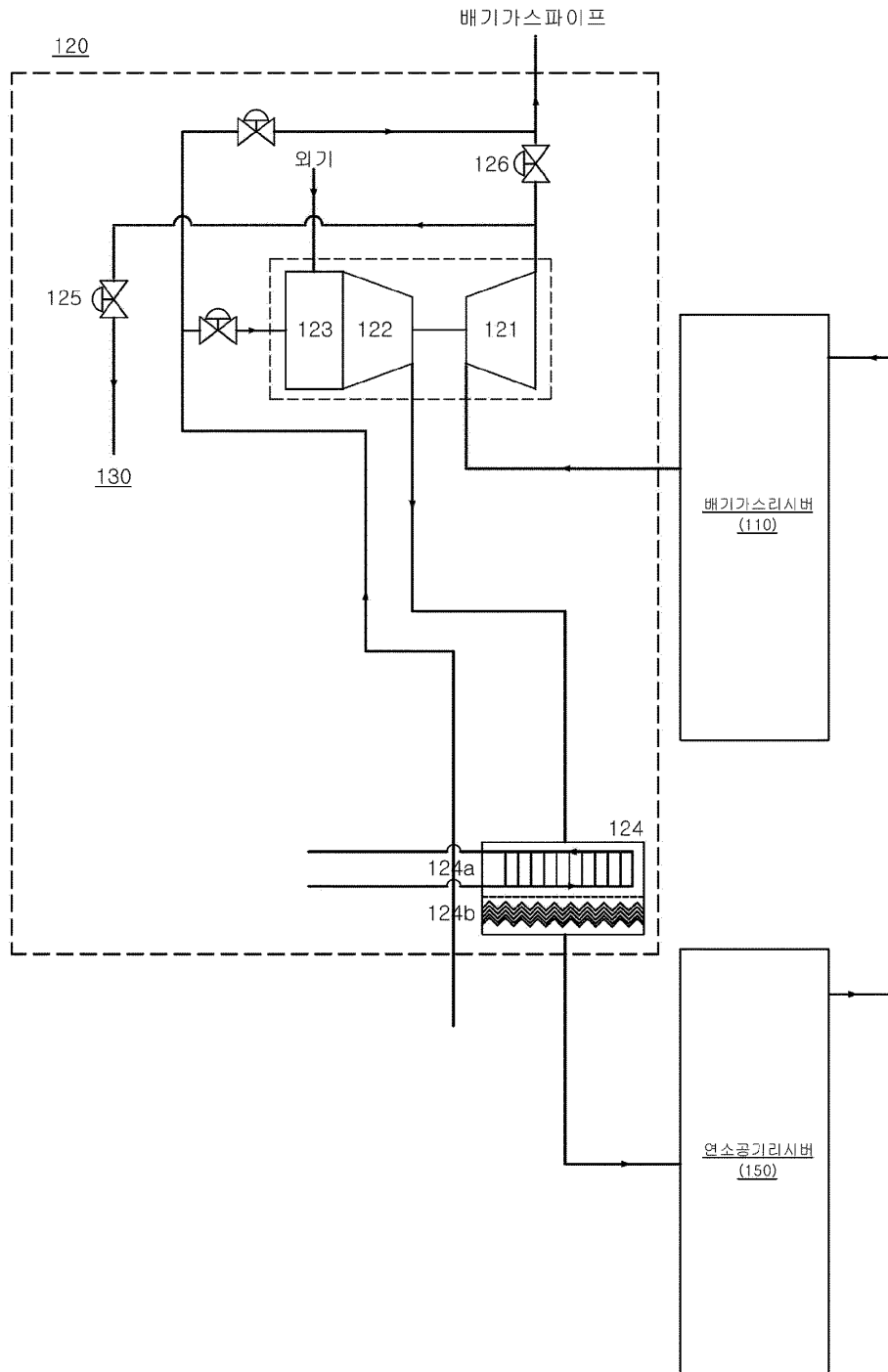


The diagram illustrates a diesel engine system (10) equipped with a water-based emission control system. The engine is connected to a fuel supply system (150) and an exhaust gas recirculation system (160). The exhaust gas recirculation system includes a bypass line (110) and a CO₂ absorption unit (140). The water-based emission control system (130) is shown as a dashed box containing several components: a water supply unit (131), a water circulation unit (134), a water storage unit (135), a water injection unit (132), and a water evaporation unit (133). The water supply unit (131) provides water to the water injection unit (132). The water injection unit (132) injects water into the exhaust gas stream. The water evaporation unit (133) is connected to the exhaust gas stream. The water circulation unit (134) circulates water between the water injection unit (132) and the water storage unit (135). The water storage unit (135) stores water for the water injection unit (132). The exhaust gas recirculation system (160) recirculates exhaust gas from the engine back to the intake. The CO₂ absorption unit (140) is connected to the exhaust gas stream and the exhaust gas recirculation system (160). The fuel supply system (150) provides fuel to the engine. The diesel engine (10) is shown as a multi-cylinder engine with a turbocharger.

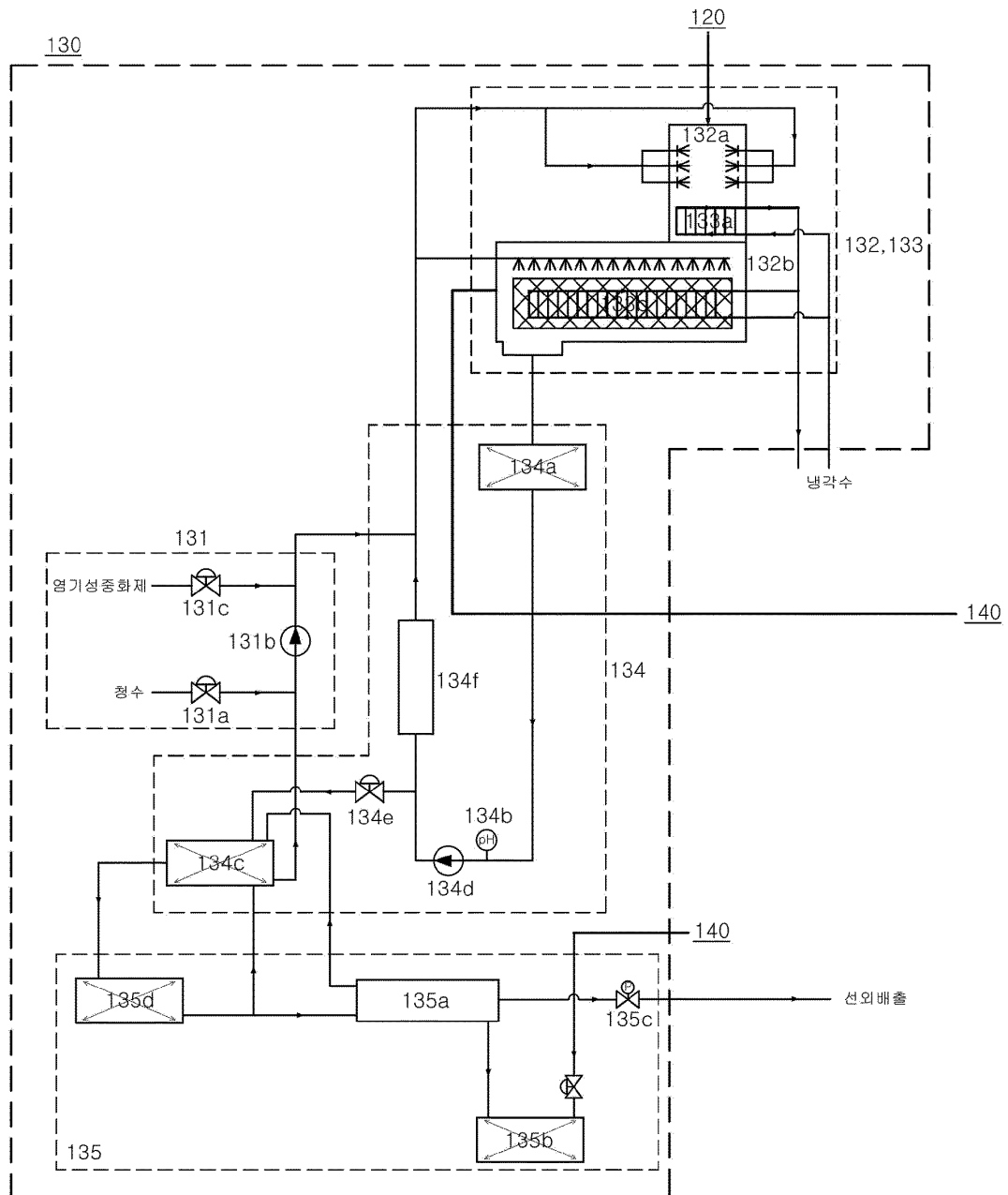
[도2]



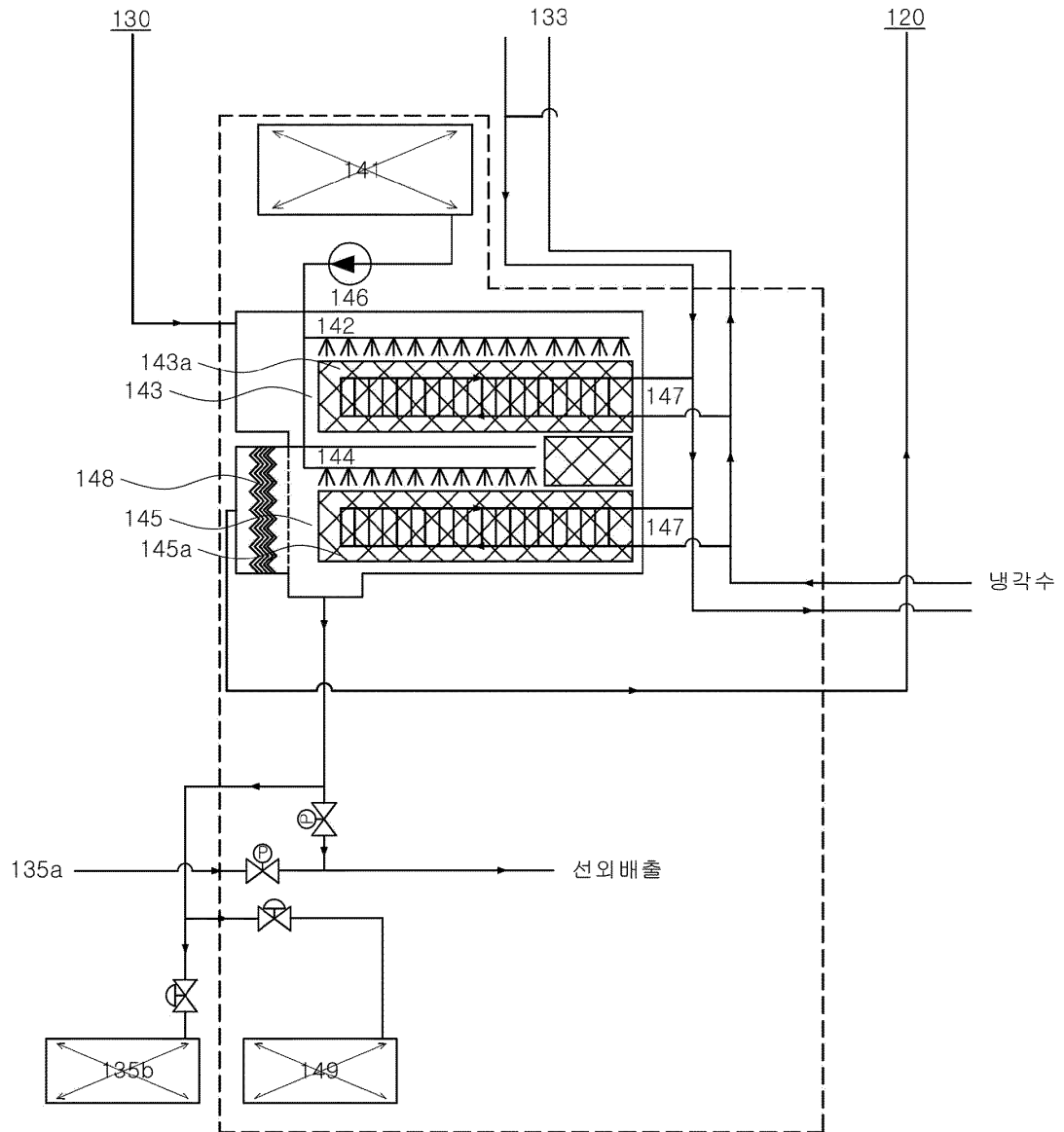
[도3]



[도4]



[도5]



[56]

