

AIR SEPARATION DEVICE

ABSTRACT

PROBLEM: To provide an air separation device capable of lowering the share of height associated with a condenser installed on top of a high pressure distillation column without reducing product production efficiency compared with a conventional air separation device, without enlarging the installation area, and without dividing a low pressure distillation column.

SOLUTION TO THE PROBLEM: The air separation device 1 comprises a first distillation column 11 provided with a first condenser 121 in a location apart from above the column top 113 thereof, and a lower pressure distillation column than the first distillation column 11; and is provided with a second distillation column 21 arranged next to the first distillation column 11, and at least a part of a crude argon distillation column or all of the crude argon distillation column arranged above the column top 113 of the first distillation column 11.

[FIG. 1A]