MECHANISM AND METHOD OF PREVENTING SUCTION AIR FROM LEAKING DURING FILTRATION OF CAPTURING CARRIER SOLUTION

ABSTRACT OF THE DISCLOSURE

A mechanism for preventing suction air from leaking uses a capturing carrier cartridge that includes a cartridge main body and a filter fixing ring. The cartridge main body includes a storage portion for storing a capturing carrier solution and a filter mounting portion where a filter for filtering the capturing carrier solution is disposed. The filter fixing ring covers the filter mounting portion, positions the filter, and sucks and filters the capturing carrier solution from a lower surface thereof. The mechanism includes a cartridge holder and a suction head. The cartridge holder includes an opening that includes the filter mounting portion of the capturing carrier cartridge, and a holding portion that holds the storage portion. The suction head sucks the capturing carrier solution through the lower surface of the filter fixing ring while applying pressure to press the filter fixing ring against the filter mounting portion.

Figure 10.