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**(71) Applicant(s):**

GUPTA, Nalini K [IN/IN]; 879 Arya Nagar, Ambala Cantt Haryana 133001 (IN) *(for all designated states)*

**(72) Inventor(s):**

GUPTA, Nalini K; 879 Arya Nagar, Ambala Cantt Haryana 133001 (IN)

**(74) Agent(s):**

KHURANA & KHURANA, ADVOCATES & IP ATTORNEYS; E-13, UPSIDC, Site-IV, Behind-Grand Venice Kasna Road, Greater Noida, National Capital Region, Uttar Pradesh 201310 (IN)

**(54) Title (EN):** A FILTER ASSEMBLY

**(54) Title (FR):** ENSEMBLE FILTRE

**(57) Abstract:**

**(EN):** The present disclosure provides a filter assembly for reducing the quantity of remnant solution. The assembly comprises a filter disposed at bottom end of a funnel with walls tapering towards the bottom end. The filter and funnel are so designed that the annular space between the filter and the wall at the bottom end is minimum, thereby reducing the potential for remnant solution to accumulate. Further, the filter is sealed to the bottom end of the funnel such that the filtrate is well isolated from the feed solution. The filter assembly can be part of a filter train and can be easily and swiftly replaced in case of a breakdown of any component of the filter assembly.

**(FR):** La présente invention concerne un ensemble filtre pour réduire la quantité de solution restante. L'ensemble comprend un filtre disposé à l'extrémité inférieure d'un entonnoir dont les parois se rétrécissent vers l'extrémité inférieure. Le filtre et l'entonnoir sont conçus de telle sorte que l'espace annulaire entre le filtre et la paroi au niveau de l'extrémité inférieure est minimal, ce qui permet de réduire le potentiel de la solution restante à s'accumuler. En outre, le filtre est scellé à l'extrémité inférieure de l'entonnoir de telle sorte que le filtrat est bien isolé de la solution d'alimentation. L'ensemble filtre peut faire partie d'un train de filtres et peut être remplacé facilement et rapidement en cas de rupture de n'importe quel composant de l'ensemble filtre.

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