

**Information on Search Strategy - Pilot phase (see OJ 2015, A86)**

The type of information contained in this sheet may change during the pilot for improving the usefulness of this new service.

Application Number

PCT/US2019/062106

TITLE: FLUID TREATMENT VESSEL

APPLICANT: SPECIALTY ELECTRONIC MATERIALS NETHERLANDS BV

IPC CLASSIFICATION: B01J47/022, B01J49/60, B01J49/06, B01J49/05

EXAMINER: Kaluza, Nicoleta

CONSULTED DATABASES: NPL, WPI, EPODOC

CLASSIFICATION SYMBOLS DEFINING EXTENT OF THE SEARCH:

IPC:

CPC: B01J47/022, B01J49/60, B01J49/05

FI/F-TERMS:

KEYWORDS OR OTHER ELEMENTS FEATURING THE INVENTION:

A fluid treatment apparatus comprising a tank containing a bed of at least one fluid treatment medium, a distributor plate separating the bed from an end portion of the tank, and an inert medium comprising amorphous particles having a harmonic mean diameter from 2.5 to 250  $\mu\text{m}$  and a density from 0.57 to 0.998  $\text{cm}^3/\text{g}$ . The volume of the end portion containing inert medium is from 25 to 95% of the total volume of the end portion.

The configuration of the vessel with the inert resin allows to reduce the dilution effect of the liquid present inside the vessel during the regeneration.