

Title (en)
CATALYST UNIT FOR SPLITTING A DECONTAMINATION AGENT INTRODUCED INTO A CONTAINER FOR A DECONTAMINATION PROCESS

Title (de)
KATALYSATOREINHEIT ZUR AUFSPALTUNG EINES FÜR EINEN DEKONTAMINATIONSPROZESS IN EIN CONTAINMENT EINGEBRACHTEN DEKONTAMINATIONSMITTELS

Title (fr)
UNITÉ DE CATALYSEUR POUR DIVISER UN AGENT DE DÉCONTAMINATION INTRODUIT DANS UNE ENCEINTE DE CONFINEMENT POUR EFFECTUER UN PROCESSUS DE DÉCONTAMINATION

Publication
EP 3283194 A1 20180221 (DE)

Application
EP 16721623 A 20160411

Priority
• EP 15405030 A 20150416
• CH 2016000062 W 20160411

Abstract (en)
[origin: WO2016165032A1] The catalyst unit (1) for splitting a decontamination agent introduced into a container for a decontamination process has at least one catalyst element (21). This catalyst element (21) first consists of a carrier material made of aluminum ceramics or activated carbon, and also of a catalytically active component in the form of nanoparticles, applied to the carrier material by means of chemical plating, and made of silver or silver oxide or of a silver and silver oxide mixture. The catalytically active component on the at least one catalyst element (21) is present in the range from 0.05 weight percent to 0.5 weight percent relative to the carrier material. The at least one catalyst element (21) has a catalytically effective surface in the range of up to 320m² per gram of used material, as a combination of carrier material plus applied catalytically active component. With the catalyst unit (1), an non-critical concentration of non-degraded decontamination agent of lower than 0.5 ppm, preferentially a maximum of 0.1 ppm can be achieved. The container is configured in particular as an isolator, sluice or RABS (Restricted Access Barrier System), as well as being of a mobile and stationary type, such as means for transportation, and spaces for treatment, isolation and/or diagnosis of patients, as well as production spaces and laboratories.

IPC 8 full level
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CPC (source: EP US)
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