

Title (en)

METHOD AND DEVICE FOR DISINFECTING GRANULAR PRODUCTS, SUCH AS SEED, WITH ULTRAVIOLET RADIATION

Title (de)

VERFAHREN UND VORRICHTUNG ZUR DESINFEKTION RIESELFÄHIGER PRODUKTE, VORZUGSWEISE SAATGUT, MIT ULTRAVIOLETTLICHT (UV-STRALUNG)

Title (fr)

PROCÉDÉ ET DISPOSITIF POUR DÉSINFECTER DES PRODUITS GRANULEUX, COMME SEMENCE, AVEC RADIATION ULTRAVIOLETTE

Publication

EP 2854498 A1 20150408 (DE)

Application

EP 13727125 A 20130603

Priority

- DE 102012209435 A 20120604
- EP 2013061344 W 20130603

Abstract (en)

[origin: WO2013182504A1] The invention relates to a method for treating pourable products consisting of particles which can be separated, especially seeds (2), with ultraviolet radiation (14). Said method consists of guiding a transparent product flow in a product guiding channel (1) through the radiation field, generated by at least one UV source (12), under low pressure or excess pressure, and using the force of gravity. The product flow is guided by means of an accelerated gas flow (5) in such a manner that its movement corresponds in terms of amount and direction to the accelerated movement of the particles falling in said product flow due to gravitational acceleration. The invention also relates to a device which accelerates the gas flow (5) in the required manner due to the formation of the product guiding channel (1).

IPC 8 full level

A01C 1/08 (2006.01); **A61L 2/00** (2006.01); **A61L 2/10** (2006.01)

CPC (source: EP)

A01C 1/08 (2013.01)

Citation (search report)

See references of WO 2013182504A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

DE 102012209435 A1 20131205; EP 2854498 A1 20150408; WO 2013182504 A1 20131212

DOCDB simple family (application)

DE 102012209435 A 20120604; EP 13727125 A 20130603; EP 2013061344 W 20130603