

Title (en)
DOSING SYSTEM FOR A DISHWASHER MACHINE

Title (de)
DOSIERSYSTEM FÜR EINE GESCHIRRSPÜLMASCHINE

Title (fr)
SYSTÈME DE DOSAGE POUR UN LAVE-VAISSELLE

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Application
EP 11767721 A 20111012

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Abstract (en)
[origin: WO2012126537A1] The invention relates to a dosing system (1) for releasing at least one detergent preparation (A,B,C) into a dishwasher machine, comprising a dosing appliance (2) with a light source (4) and a cartridge (3) that can be coupled to the dosing appliance (2) and in which at least one flowable preparation (A,B,C) is stored, wherein the cartridge (3) has a width (b)-depth (t) ratio of 3:1 to 20:1 and a height (h)-depth (t) ratio of 3:1 to 20:1, and the walls of the cartridge (3) have, at least in sections, a transmission rate in the wavelength range between 700nm and 1 mm, preferably between 700nm and 1000nm, of 75%-99%, the flowable preparation (A,B,C) has a transmission rate in the wavelength range between 700nm and 1 mm, preferably 700nm-1000nm, of 75%-99%, the outwardly-oriented surface of the cartridge (3) has, at least in sections, a surface roughness of between 0.5 and 5 microns, preferably between 0.75 and 2.5 microns, especially preferably between 1 and 1.5 microns, and the light source (4) that emits light at least in a wavelength range between 700nm and 1 mm, preferably 700nm and 1000nm, irradiates into the cartridge, the light source (4) having a radiation angle a larger than 5°, preferably between 5° and 60°; and the light source (4) and the cartridge (3) are configured such that the average path length of the light beam (L) through the cartridge (3) corresponds to between 0,1*10⁵ and 10*10⁵, preferably between 0,5*10⁵ and 7,5*10⁵, particularly preferably between 1,0*10⁵ and 6,5 *10⁵ times the wavelength of the light emitted from the light source (4).

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Cited by
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