

Title (en)  
SYSTEM FOR MIXING A CHEMICAL PRODUCT WITH WATER

Title (de)  
SYSTEM ZUM MISCHEN EINES CHEMISCHEN PRODUKTS MIT WASSER

Title (fr)  
SYSTÈME DE MÉLANGE D'UN PRODUIT CHIMIQUE AVEC DE L'EAU

Publication  
**EP 3297753 A1 20180328 (FR)**

Application  
**EP 16726809 A 20160519**

Priority

- FR 1554451 A 20150519
- EP 2016061192 W 20160519

Abstract (en)  
[origin: WO2016184936A1] This system (1) for mixing a chemical product with water comprises a water inlet port (3) designed to be connected to a pressurized water supply pipe, a chemical product inlet port (5) designed to be connected to a reservoir (100) of chemical product, and a mixture outlet port (7). It comprises a main chamber (11) in which there can move a piston (13) delimiting an upstream part (15) of the main chamber (11) fluidically connected to the water inlet port (3) and a downstream part (19) of the main chamber (11) connected to the chemical product inlet port (5), the piston (13) being equipped with a rod (130) extending into the downstream part (19) of the main chamber (11). The water inlet port (3) is also connected to the mixture outlet port (7), the downstream part (19) of the main chamber (11) is also connected to the mixture outlet port (7). A water flow rate regulating device (60) is interposed between the upstream part (15) of the main chamber (11) and the water inlet port (3). The piston (13) is able to move, in the main chamber (11), under the action of the incoming water entering the upstream part (15) of the main chamber (11) and of the difference in pressure created by the rod (130) of the piston (13) in the downstream part (19) of the main chamber (11) so that chemical product contained in the downstream part (19) of the main chamber (11) is directed toward the mixture outlet port (7).

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