

Title (en)

ADMIXING SYSTEM FOR FIRE-EXTINGUISHING INSTALLATIONS AND METHOD FOR OPERATING SUCH AN ADMIXING SYSTEM

Title (de)

ZUMISCHSYSTEM FÜR FEUERLÖSCHANLAGEN UND VERFAHREN ZUM BETRIEB EINES SOLCHEN ZUMISCHSYSTEMS

Title (fr)

SYSTÈME DE MÉLANGE CONÇU POUR DES DISPOSITIFS D'EXTINCTION D'INCENDIE ET PROCÉDÉ POUR FAIRE FONCTIONNER UN TEL SYSTÈME DE MÉLANGE

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Application

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Abstract (en)

[origin: WO2021069319A1] The invention relates to an admixing system (1) for fire-extinguishing installations for generating a mixture (premix) of extinguishing medium and extinguishing medium additive by admixing an extinguishing medium additive, in particular a foaming medium, to an extinguishing medium, in particular water. The admixing system (1) has a motor that can be driven by a flow of extinguishing medium, an admixing pump (6) that is connected to the motor and serves for supplying the extinguishing medium additive to an extinguishing medium additive inlet line (35), an admixing line (10), and an extinguishing medium additive outlet line (13) from which the extinguishing medium additive is admixed to the extinguishing medium in the admixing line (10). According to the invention, the admixing pump (6) is a piston pump having multiple cylinders and at least two outputs (8a, 8b) connected to the cylinders. At least one first output (8b), through which return flow is possible, can be switchably fluidically connected either to a return flow line (29) through which the extinguishing medium additive flows back to the admixing pump (6), or to the extinguishing medium additive outlet line (13). If the extinguishing medium additive flows from the return-flow-compatible output (8a, 8b) back to the admixing pump (6), it is therefore not admixed to the extinguishing medium in the admixing line (10). Thus, the admixing rate can be changed simply by means of this switching.

IPC 8 full level

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