

Title (en)

Continuously variable automatic-mechanical foam metering system for high and normal pressure rotary fire pump

Title (de)

Stufenloses automatisch-mechanisches Schaum-Dosiersystem für Hoch- und Normaldruck Feuerlöschkreiselpumpen

Title (fr)

Doseur de mousse automatique-mécanique à variation continue pour pompe à incendie centrifuge pression haute et normale

Publication

EP 0978296 B1 20041013 (DE)

Application

EP 99101254 A 19990122

Priority

DE 19802240 A 19980122

Abstract (en)

[origin: DE19802240A1] The dosing system has in a housing two independently functioning flaps of different sizes which are loaded with an adjustable spring force of variable size. Each flap can be fitted with a separate dosing unit. Each separate dosing device has a dosing bush (5) connected to the flap shaft and supporting a coaxial mounted two-part axially displaceable setting cylinder (7). The mixing percentages for the foam can be infinitely adjustable by the setting cylinder which can be adjusted either manually or remote-controlled through pneumatic, hydraulic, electric or electro-automatic means. The spring force on the flaps can be relaxed for water operation and the flaps can be swivelled on to the side of the housing. The flaps can be provided with potentiometers for measuring the rate of flow.

IPC 1-7

A62C 5/02

IPC 8 full level

A62C 5/02 (2006.01)

CPC (source: EP)

A62C 5/02 (2013.01)

Cited by

EP2095848A1; AU2009200618B2; US8307907B2

Designated contracting state (EPC)

AT CH DE ES FI FR GB GR IT LI NL SE

DOCDB simple family (publication)

EP 0978296 A1 20000209; EP 0978296 B1 20041013; AT E279236 T1 20041015; DE 19802240 A1 19990805; DE 19802240 B4 20040805; DE 59910805 D1 20041118

DOCDB simple family (application)

EP 99101254 A 19990122; AT 99101254 T 19990122; DE 19802240 A 19980122; DE 59910805 T 19990122