

Fire Defence System

Of the development community Andree Jensen, Benjamin Saine, Marita Laube and this Engineer Office ROLFformer AG this developed **Fire Defence system**, has to be regarded as a patented solution. Fight this like a Sprenkler system, approaching and arising fires of the outside at buildings and facilities preventatively shall. The stimulus to resulted for the development this **Fire Defence system** against the background, the devastating fires in Californien and Australia where hardly any conceivable economic damage to private and common fortunes has resulted for one.

The here anti-pollution test of exhaust fumes demand was without this to develop a system into this which permits an additional intervention in an architecture that change phenotype confessed. System does not appear the allow recognizably. This system comes a combination from Sprenkler system and watering plant in its name in its task most nearly. It a transferring cash barrier shall protect buildings and facilities, be used at extensive extensive fires in addition as one on the ground.

For buildings and facilities the **Fire Defence system** shall be installed in the available structure of the gutters without these in function of their, zubeinträchtigen. The components represented in the documentation are obstructed about in a certain chance in the gutters. The water leading pipes are put, connected friction-lockedly and safeguarded with the connection hulls, in a certain order. The pipes installed so dispose into three spraying slits arranged besides each other and a certain trigonometrical function from which the water for fire fighting becomes versprüht with a high pressure in three different directions. The water supply of these pipes is made by stand pipes of the system which also are ordered in the drainpipe of the gutters. Water for fire fighting sprayed this in this method, a firefighting diversified broadly, protecting from three water curtains being made lets arise. Buildings and facilities are exposed to a heavy rain so so to speak, can not ignite.

The **system** was extended by only three components these solution sub judice from fighting passing on to components of the **Fire Defence** system one availably to make it possible for extensive fires the patent.

The spraying raw are these manufactured for buildings and facilities in its lay-out at once. You have merely a standard measure of 6000 millimetres length and a floor plate guarantees this firm stability on the ground. Direction changes, the clutches make the supplying of the required water for fire fighting possible make skin similar connecting pieces possible.

The **Fire Defence system** produce of the ground to three high water curtains and therefore extensive fires can prevent from their spreading. It can protect single properties but also residential areas from the encroachment of approaching extensive fires in a great extension. However, the winds caused by fires support a fine and far spreading intermixing of the air with the water. It works through this as an irrigation system which is used by an extensive farming.

The complete system is manufactured from stainless high-grade steel and does not require circumstantial care. It can be installed on an all-terrain vehicle and so also into confused areas are transferred. This is, such a **Fire Defence system** measured in terms of the use and the averting of such serious damages by considered extensive fire causes not even the fraction of costs to property and common property. It should be part of the standard equipment of a fire brigade which can so more effectively fight and check an extensive fire. This water leading system of high-grade steel cools itself in its function. It cannot be destroyed by a thermal influence. However, such a system should not be measured in terms of material goods only with the aspect of the protection. The one face these to such a catastrophe, these devastating fires zubekämpfen, also the life of the firemen, the body and welfare of the people an unprecedented fight wages, protects in the secondary meaning this system. From the point of view of time it can be installed with a great lead over an extensive fire and let an irrigated break arise. There are examples of such preventative measures well enough where people have checked the consequences of such devastating fires already on time with simplest means.

The Fire Defence system is a simple one in its construction, nevertheless innovative solution. The production on lasergestützren cutting plants makes the costs for such a system seem easily comprehensible. With only five system parts the **Fire Defence system** makes a variable application possible in the free area and can protect such endangered residential areas from the destruction.

In a cooperation of the development community and the Fire Department Santa Barbara a having a try row which underlines an efficiency of this system is striven for. With one an unchecked spreading of fires can therefore also accessibly to other Fire Departments become experiences and so areas be counteracted to such sources of danger.

Should be more easily comprehensible at application of such systems and make an effective protection of people and property possible the extent of extensive fires like it in the past have struck some federal states



Illustration: 1 Fire Defence system for territoriale Abgrenzung at extensive fires

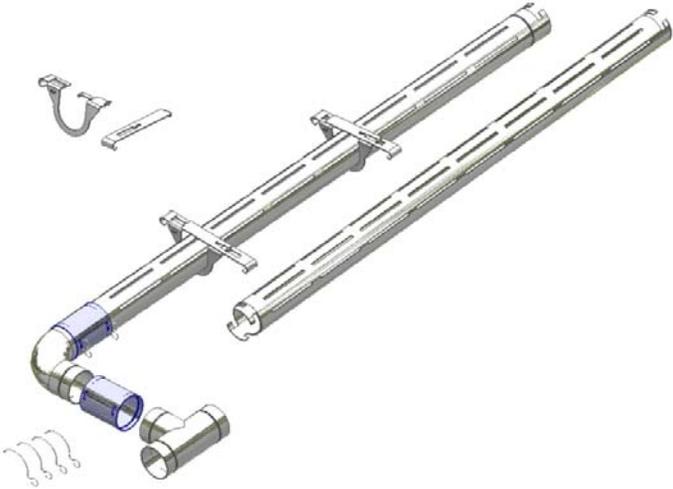


Illustration obstruct: 2 Fire Defence system for buildings and object protection for the into available Baustruktur