

Title (en)
Mobile firefighting equipment.

Title (de)
Mobiles Feuerlöschgerät.

Title (fr)
Equipement d'extinction de feu mobile.

Publication
EP 0426620 A1 19910508 (EN)

Application
EP 90830282 A 19900621

Priority
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• IT 4130289 A 19891103
• IT 4130389 A 19891103
• IT 4130489 A 19891103

Abstract (en)
A self contained firefighting equipment which may be mounted on a vehicle employs a submerged pump directly mounted on the bottom of a water tank and driven by a first hydraulic motor for delivering water from the tank through a plurality of dispensing hose outlets. An auxiliary pump hydraulic motor group may be displaced at a distance from the unit by utilizing a pair of flexible tubes for circulating the operating oil to and from the hydraulic motor which is fastened to the pump body and to the pump outlet is connected a water hose for ducting water to the water tank of the unit or to another series of dispensing hose outlets. The auxiliary hydraulic motor-water pump group may be dropped to the bottom of water wells down to a depth of 40 meters for submerging the pump in the bottom water or in any other body of water available. Most preferably there is a third pump driven by a third hydraulic motor capable of delivering water at a high delivery pressure for dispensing water through special high pressure flexible hoses which may be extended for extremely long distances to allow the firefighters to reach fire front positions distant up to 1.000 meters from the unit in rugged areas which may be reached only on foot. Each hydraulic motor is driven through a respective hydraulic circuit which comprises a hydraulic pump, a distributor regulator and an operating oil tank. The hydraulic pumps are driven by the engine of the vehicle or by a dedicated auxiliary diesel engine through a plurality of drives.

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IPC 8 full level
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CPC (source: EP)
A62C 25/00 (2013.01); **F04D 13/04** (2013.01); **F04D 13/14** (2013.01); **F02B 3/06** (2013.01)

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