

Title (en)

An integrated fire protection system and cooling system

Title (de)

Integriertes Kühlsystem und Brandschutzsystem

Title (fr)

Système de refroidissement et système de protection contre les incendies intégré

Publication

EP 1443277 A1 20040804 (EN)

Application

EP 03254956 A 20030808

Priority

GB 0302025 A 20030129

Abstract (en)

A system for providing fire protection and cooling for a building consists of a water cooler (8) which supplies and maintains water in a piping system at a first temperature and a plurality of thermally driven heat extraction assemblies (24,27,28) which are located throughout the building. The heat extraction assemblies are thermally linked to the water at the first temperature in the piping system and each heat extraction assembly includes a radiant, naturally convective or forced convective assembly which acts to transfer heat at a second temperature which is substantially higher than the first temperature to water which is passing through the heat extraction assembly. <IMAGE>

IPC 1-7

F24D 3/12; **A62C 35/60**

IPC 8 full level

A62C 35/60 (2006.01); **F24D 3/12** (2006.01)

CPC (source: EP US)

A62C 35/60 (2013.01 - EP); **F24D 19/1006** (2013.01 - EP US)

Citation (search report)

- [XD] US 5183102 A 19930202 - CLARK STEVEN J [US]
- [XD] US 3939914 A 19760224 - CARROLL JOHN L
- [X] US 4033740 A 19770705 - MECKLER GERSHON
- [X] US 4286667 A 19810901 - WESTENHOFER DONALD G, et al
- [X] BE 903096 A 19851216 - ATELIER D S A, et al

Cited by

WO2012010987A1; GB2459044A; EP4220026A1; TWI685362B; WO2009125203A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)

EP 1443277 A1 20040804; AU 2003236466 A1 20040812; GB 0302025 D0 20030226

DOCDB simple family (application)

EP 03254956 A 20030808; AU 2003236466 A 20030826; GB 0302025 A 20030129