

Title (en)
LIQUID COOLED MODULAR DATA CENTER

Title (de)
FLÜSSIGKEITSGEKÜHLTES MODULARES DATENZENTRUM

Title (fr)
CENTRE DE DONNÉES MODULAIRE REFROIDI PAR LIQUIDE

Publication
EP 2959357 A4 20161012 (EN)

Application
EP 14754702 A 20140221

Priority
• US 201361850730 P 20130222
• US 2014017835 W 20140221

Abstract (en)
[origin: WO2014130891A1] A modular data center includes a shipping container having a floor and an overlay secured on top of the floor. The modular data center includes one or more tanks, each tank defining a certain volume and being configured for receiving a dielectric liquid coolant and for receiving one or more data processing modules for cooling by the liquid coolant. The one or more tanks are secured in a fixed position above the overlay within the shipping container. The overlay is configured to create a liquid tight barrier defining at least the certain volume of one of the tanks, so that if the coolant escapes one of the one or more tanks, the overlay contains the escaped coolant within the shipping container.

IPC 8 full level
G06F 1/20 (2006.01); **H05K 7/20** (2006.01)

CPC (source: EP)
H05K 7/2079 (2013.01)

Citation (search report)
• [I] US 2011132579 A1 20110609 - BEST CHRISTIAAN SCOTT [US], et al
• [A] US 2012134107 A1 20120531 - PENG YONGHUI [CN], et al
• [A] WO 2012018410 A1 20120209 - ST REPRODUCTIVE TECH LLC [US], et al
• [A] US 8320125 B1 20121127 - HAMBURGEN WILLIAM [US], et al
• See references of WO 2014130891A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
WO 2014130891 A1 20140828; EP 2959357 A1 20151230; EP 2959357 A4 20161012

DOCDB simple family (application)
US 2014017835 W 20140221; EP 14754702 A 20140221