

Title (en)
DISTRICT ENERGY SHARING SYSTEM

Title (de)
BEREICHSSSTROMTEILUNGSSYSTEM

Title (fr)
SYSTÈME DE PARTAGE D'ÉNERGIE DE QUARTIER

Publication
EP 2443395 A4 20140219 (EN)

Application
EP 10788581 A 20100616

Priority
• CA 2010000969 W 20100616
• US 18762609 P 20090616

Abstract (en)
[origin: WO2010145040A1] A district energy sharing system (DESS) comprises a thermal energy circuit which circulates and stores thermal energy in water, at least one client building thermally coupled to the circuit and which removes some thermal energy from the circuit ("thermal sink") and/or deposits some thermal energy into the circuit ("thermal source"), and at least one thermal server plant that can be thermally coupled to external thermal sources and/or sinks (e.g. a geothermal ground source) and whose function is to maintain thermal balance within the DESS.

IPC 8 full level
F24D 10/00 (2006.01); **F24D 11/02** (2006.01); **F24D 19/10** (2006.01); **F25B 30/06** (2006.01)

CPC (source: EP KR US)
F24D 10/00 (2013.01 - EP KR US); **F24D 10/003** (2013.01 - EP KR US); **F24D 11/0207** (2013.01 - EP KR US); **F24D 19/1006** (2013.01 - KR); **F24D 19/1039** (2013.01 - EP KR US); **F24H 4/00** (2013.01 - KR); **F25B 30/06** (2013.01 - EP KR US); **F24D 2200/12** (2013.01 - EP KR US); **Y02B 10/40** (2013.01 - EP KR US); **Y02B 30/12** (2013.01 - EP KR US); **Y02B 30/17** (2018.04 - EP US); **Y02E 20/14** (2013.01 - EP KR US)

Citation (search report)
• [IY] US 4187982 A 19800212 - LAING INGEBORG [DE], et al
• [Y] DE 3038579 A1 19820527 - KRIEB FRANZ KARL
• [A] WO 9520135 A1 19950727 - ABB INSTALLAATIOT OY [FI], et al
• [A] WO 9520133 A1 19950727 - ABB INSTALLAATIOT OY [FI], et al
• [A] WO 2008102292 A2 20080828 - ECOLE POLYTECH [CH], et al
• See references of WO 2010145040A1

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 SE SI SK SM TR

DOCDB simple family (publication)
WO 2010145040 A1 20101223; AU 2010262686 A1 20120202; AU 2010262686 B2 20150924; CA 2765065 A1 20101223; CN 102460024 A 20120516; CN 102460024 B 20141210; CN 104456687 A 20150325; CN 104501276 A 20150408; EA 022321 B1 20151230; EA 201270008 A1 20120629; EA 201491806 A1 20150130; EA 201491807 A1 20150529; EP 2443395 A1 20120425; EP 2443395 A4 20140219; EP 2837895 A2 20150218; EP 2837895 A3 20150304; JP 2012530237 A 20121129; KR 20120033330 A 20120406; MX 2011013530 A 20120523; US 2012279681 A1 20121108; ZA 201200245 B 20120926

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