

Title (en)
ZERO PRESSURE DROP WATER HEATING SYSTEM

Title (de)
NULLDRUCK-TROPFEN-WASSER-HEIZUNGSSYSTEM

Title (fr)
SYSTÈME DE CHAUFFAGE D'EAU À ZÉRO PRESSION

Publication
EP 3726144 A1 20201021 (EN)

Application
EP 19213706 A 20191204

Priority
US 201916383853 A 20190415

Abstract (en)
A zero pressure drop water heating system comprising a cold side conductor having a receiving end and a closed end; a hot side conductor having an exit end and a closed end; a pump; a bypass conductor having a first end, a second end and a bypass valve, wherein the first end is adapted to the receiving end and the second end is adapted to the exit end; at least one heat exchanger having a flow valve; a heat exchanger inlet temperature sensor disposed on the inlet of one of the at least one heat exchanger; an outlet temperature sensor disposed at an outlet of the at least one heat exchanger closest to the exit end; a system outlet temperature sensor disposed on the exit end and a system inlet temperature sensor disposed on the receiving end.

IPC 8 full level
F24D 3/10 (2006.01); **F24D 19/10** (2006.01)

CPC (source: CN EP US)
F24D 3/10 (2013.01 - EP); **F24D 3/1066** (2013.01 - EP); **F24D 3/1091** (2013.01 - EP); **F24D 17/00** (2013.01 - CN); **F24D 19/00** (2013.01 - CN); **F24D 19/1051** (2013.01 - CN EP US); **F24D 2200/043** (2013.01 - EP); **F24D 2220/02** (2013.01 - CN); **F24D 2220/0207** (2013.01 - EP); **F24D 2220/0257** (2013.01 - CN); **F24D 2220/0264** (2013.01 - EP); **F24D 2220/04** (2013.01 - EP)

Citation (search report)
[X] US 2016341445 A1 20161124 - DEIVASIGAMANI SRIDHAR [US], et al

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

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
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DOCDB simple family (application)
EP 19213706 A 20191204; CN 202010093470 A 20200214