

Title (en)  
Conditioning plant

Title (de)  
Klimaanlage

Title (fr)  
Dispositif de climatisation

Publication  
**EP 2442039 A1 20120418 (EN)**

Application  
**EP 11185062 A 20111013**

Priority  
IT MI20101880 A 20101014

Abstract (en)  
A conditioning plant (1) comprises a general inlet (2), a general outlet (3), a circuit (4) which sets the general inlet (2) in fluid communication with the general outlet (3), a plurality of users (5) arranged on the circuit (4), and a balancing system (20). The balancing system comprises a sensor (21) for detecting at least a real value depending on a difference of intensity between upstream and downstream of the users, of at least a physical parameter of the fluid; the balancing system further comprises a flow regulating organ (24), and a control device (25) connected to the sensor (21), acting on the flow regulating organ (24) and configured for enabling memorisation of at least a reference value of a same physical parameter of the fluid, comparing the reference value with the real value, commanding the regulating organ (24) to regulate the fluid internally of the circuit (4) such as to maintain the real value substantially aligned with the reference value.

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

CPC (source: EP US)  
**F24D 19/1036** (2013.01 - EP US); **F24F 3/065** (2013.01 - EP); **F24F 11/30** (2018.01 - EP); **F24F 11/83** (2018.01 - EP);  
**F24F 11/84** (2018.01 - EP US); **F24D 19/083** (2013.01 - EP); **F24D 19/088** (2013.01 - EP); **F24D 19/1021** (2013.01 - EP US);  
**F24F 2110/00** (2018.01 - EP)

Citation (applicant)  
• WO 2008029987 A1 20080313 - METACHEM INC [KR], et al  
• WO 2010074921 A2 20100701 - HONEYWELL INT INC [US], et al

Citation (search report)  
• [X] WO 2008039065 A1 20080403 - KAMSTRUP B V [NL], et al  
• [A] WO 2009156010 A1 20091230 - BELPARTS [BE], et al  
• [A] WO 2005098318 A1 20051020 - BAUER ALBERT [DE]

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WO2023110361A1

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)  
**EP 2442039 A1 20120418**; **EP 2442039 B1 20151216**; DK 2442039 T3 20160229; IT 1402031 B1 20130828; IT MI20101880 A1 20120415;  
SI 2442039 T1 20160331

DOCDB simple family (application)  
**EP 11185062 A 20111013**; DK 11185062 T 20111013; IT MI20101880 A 20101014; SI 201130739 T 20111013