Title (en)
PREDICTION OF A CURTAILED CONSUMPTION OF FLUID

Title (de)
VORHERSAGE EINES VERMINDERTEN VERBRAUCHS VON FLÜSSIGKEIT

Title (fr)
PREDICTION D'UNE CONSOMMATION DE FLUIDE EFFACEE

Publication
EP 3080758 A1 20161019 (FR)

Application
EP 14825421 A 20141210

Priority
• FR 1362407 A 20131211
• FR 2014053258 W 20141210

Abstract (en)
[origin: WO2015086994A1] The present invention relates to a computing system (100) for predicting a curtailed consumption of fluid comprising:- a module (10) for collecting consumption data (D_CONSi, i∈[l,n]) comprising information relating to an actual consumption of fluid of a plurality of consumers (CONSi, i∈[l,n]) during a learning phase (J), - a processing circuit (20) for aggregating the consumption data collected (D_CONSi) by groups (Gj, j∈[l,m]) as a function of at least one determined descriptive variable associated with each consumer (CONSi) and contained in the consumption data (D_CONSi), - a processor (30) for determining on the basis of the aggregated consumption data (D_CONSi) a curve of global load (Cgj) for each group (Gj), - a computer (40) for computing a model of extraction of a load curve (Ccj), termed heating and/or air conditioning, on the basis of each global load curve (Cgj) and of meteorological data (D_METj), and - a predictor (50) for computing a prediction of a curtailed consumption of fluid for each group (Gj) during a forthcoming curtailment phase (J+l).

IPC 8 full level
G06N 20/00 (2019.01); **G06Q 10/04** (2012.01); **G06Q 10/06** (2012.01); **G06Q 50/06** (2012.01)

CPC (source: EP US)
G06F 17/11 (2013.01 - US); **G06F 30/20** (2020.01 - US); **G06N 5/04** (2013.01 - US); **G06N 20/00** (2018.12 - EP US);
G06Q 10/04 (2013.01 - EP US); **G06Q 10/063** (2013.01 - EP US); **G06Q 50/06** (2013.01 - EP US); G06F 2111/10 (2020.01 - US);
Y02P 90/84 (2015.11 - EP US)

Citation (search report)
See references of WO 2015086994A1

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)
FR 3014613 A1 20150612; **FR 3014613 B1 20160115**; EP 3080758 A1 20161019; US 2016314400 A1 20161027; WO 2015086994 A1 20150618

DOCDB simple family (application)
FR 1362407 A 20131211; EP 14825421 A 20141210; FR 2014053258 W 20141210; US 201415103757 A 20141210