

Title (en)  
SYSTEM, INSTALLATION AND METHOD FOR OPTIMIZED MAINTENANCE OF FUNCTIONAL ELEMENTS OF AN ELECTRICITY OR FLUID TRANSMISSION NETWORK

Title (de)  
SYSTEM, INSTALLATION UND VERFAHREN ZUR OPTIMISIERTEN WARTUNG VON FUNKTIONSELEMENTEN EINES ELEKTRIZITÄTS- ODER FLUIDÜBERTRAGUNGSNETZES

Title (fr)  
SYSTÈME, INSTALLATION ET PROCÉDÉ DE MAINTENANCE OPTIMISÉE D'ÉLÉMENTS FONCTIONNELS D'UN RÉSEAU DE TRANSMISSION D'ÉLECTRICITÉ OU DE FLUIDE

Publication  
**EP 3494528 A1 20190612 (FR)**

Application  
**EP 17754767 A 20170803**

Priority  
• FR 1657554 A 20160804  
• FR 2017052179 W 20170803

Abstract (en)  
[origin: WO2018024994A1] This system (12) for optimized maintenance of functional elements (26, 30, 34, 38) of an electric current or fluid transmission network (10) comprises a space (42) for recording information (M1, Mi) about maintenance operations to be executed, this information comprising, for each maintenance operation: a set of functional elements to be handled (481, 48i) and at least one possible execution time window (501, 50i). The system furthermore comprises a calculator (46) comprising: a simulator (56) of the impact of each maintenance operation on a state of the network (10); a module (58) for selecting, in a predetermined time window, a part of the maintenance operations as a function of the information available (M1, Mi) about each maintenance operation and of an impact result provided by the simulator (56) in the predetermined time window; and a control unit (60) configured for a sequential placement of the selected part of the maintenance operations and for a triggering of each maintenance operation placed in the predetermined time window.

IPC 8 full level  
**G06Q 10/06** (2012.01); **G06Q 50/06** (2012.01)

CPC (source: EP US)  
**G06Q 10/06** (2013.01 - EP US); **G06Q 50/06** (2013.01 - EP); **H02J 3/00** (2013.01 - EP US); **H02J 13/00016** (2020.01 - EP US); **H02J 2203/20** (2020.01 - EP US); **Y02B 70/3225** (2013.01 - EP); **Y02E 60/00** (2013.01 - EP); **Y04S 10/50** (2013.01 - EP); **Y04S 20/222** (2013.01 - EP); **Y04S 40/124** (2013.01 - EP); **Y04S 40/20** (2013.01 - EP)

Citation (search report)  
See references of WO 2018024994A1

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)  
**WO 2018024994 A1 20180208**; EP 3494528 A1 20190612; FR 3054913 A1 20180209; FR 3054913 B1 20211203

DOCDB simple family (application)  
**FR 2017052179 W 20170803**; EP 17754767 A 20170803; FR 1657554 A 20160804