

Title (en)  
REAL-TIME PLANT DIAGNOSTIC SYSTEM AND METHOD FOR PLANT PROCESS CONTROL AND ANALYSIS

Title (de)  
ECHTZEIT-ANLAGENDIAGNOSESYSTEM UND VERFAHREN ZUR ANLAGENPROZESSSTEUERUNG UND -ANALYSE

Title (fr)  
SYSTÈME ET PROCÉDÉ DE DIAGNOSTIC D'INSTALLATION INDUSTRIELLE EN TEMPS RÉEL POUR LA COMMANDE ET L'ANALYSE DE PROCESSUS DE L'INSTALLATION INDUSTRIELLE

Publication  
**EP 4147105 A4 20240619 (EN)**

Application  
**EP 21799485 A 20210426**

Priority  
• US 202063022029 P 20200508  
• US 2021029080 W 20210426

Abstract (en)  
[origin: WO2021225812A1] A plant diagnostic system and method for plant process control and analysis comprising one or more sensors configured to collect and report compositional operation information of the equipment in the plant or refinery in real-time. At least one of the one or more sensors may be selected from a group of GC, GCxGC, micro GC, micro GCxGC, or combinations thereof. The diagnostic system may comprise a detection platform, an analysis platform, a visualization platform, and/or an alert platform.

IPC 8 full level  
**G05B 19/418** (2006.01); **G05B 23/02** (2006.01); **G16Y 10/25** (2020.01)

CPC (source: EP)  
**G05B 23/0245** (2013.01); **G16Y 10/25** (2020.01); **Y02P 90/02** (2015.11)

Citation (search report)  
[XAI] US 2018081344 A1 20180322 - ROMATIER CHRISTOPHE [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

DOCDB simple family (publication)  
**WO 2021225812 A1 20211111**; CA 3178050 A1 20211111; EP 4147105 A1 20230315; EP 4147105 A4 20240619

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