

Title (en)
SYSTEM FOR MONITORING PROPANE OR OTHER CONSUMABLE LIQUID IN REMOTELY LOCATED STORAGE TANKS

Title (de)
SYSTEM ZUR ÜBERWACHUNG VON PROPAN ODER ANDEREN VERBRAUCHSFLÜSSIGKEITEN IN FERNPOSITIONIERTEN SPEICHERTANKS

Title (fr)
SYSTEME DE SURVEILLANCE DE PROPANE OU D'UN AUTRE LIQUIDE CONSOMMABLE DANS DES RESERVOIRS DE STOCKAGE SITUÉS A DISTANCE

Publication
EP 1866205 A2 20071219 (EN)

Application
EP 06740213 A 20060401

Priority

- US 2006011944 W 20060401
- US 66821105 P 20050402
- US 68346505 P 20050520
- US 39604806 A 20060331

Abstract (en)
[origin: WO2006107752A2] An improved apparatus and method for monitoring the levels of propane or other consumable liquid in remotely located storage tanks and coordinating delivery of liquid to those tanks, including an improved method of using the remote monitoring data to identify out-of-ordinary conditions at remote tanks, optimally schedule purchases or deliveries, improve safety, and more efficiently operate a propane dealership. More accurate and timely information concerning the status of customer tanks serves to improve operational efficiencies and increase safety. Data received from remote sensors can be collected and organized so that it is easily understood and utilized through the implementation of a user interface accessible via the Internet that allows the information to be presented in an efficient graphical and contextual fashion. Operational efficiencies can also be improved by calculating site-specific Degree-days and K-factors for each tank and by taking historical propane usage for each tank, weather conditions, and projected fuel usage into account.

IPC 8 full level
B65B 1/30 (2006.01)

CPC (source: EP US)
F17C 3/00 (2013.01 - EP US); **F17C 2205/0323** (2013.01 - EP US); **F17C 2221/01** (2013.01 - EP US); **F17C 2221/033** (2013.01 - EP US); **F17C 2221/035** (2013.01 - EP US); **F17C 2223/0153** (2013.01 - EP US); **F17C 2223/033** (2013.01 - EP US); **F17C 2250/032** (2013.01 - EP US); **F17C 2250/034** (2013.01 - EP US); **F17C 2250/036** (2013.01 - EP US); **F17C 2250/0413** (2013.01 - EP US); **F17C 2250/0417** (2013.01 - EP US); **F17C 2250/0439** (2013.01 - EP US); **F17C 2250/0491** (2013.01 - EP US); **F17C 2250/072** (2013.01 - EP US); **F17C 2250/075** (2013.01 - EP US); **F17C 2250/077** (2013.01 - EP US); **F17C 2260/015** (2013.01 - EP US); **F17C 2260/022** (2013.01 - EP US); **F17C 2260/038** (2013.01 - EP US); **F17C 2265/04** (2013.01 - EP US)

Citation (search report)
See references of WO 2006107752A2

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA HR MK YU

DOCDB simple family (publication)
WO 2006107752 A2 20061012; WO 2006107752 A3 20071129; AU 2006232187 A1 20061012; CA 2603956 A1 20061012; CN 101228071 A 20080723; CN 101228071 B 20110420; EP 1866205 A2 20071219; IL 186247 A0 20080120; US 2006243347 A1 20061102

DOCDB simple family (application)
US 2006011944 W 20060401; AU 2006232187 A 20060401; CA 2603956 A 20060401; CN 200680019066 A 20060401; EP 06740213 A 20060401; IL 18624707 A 20070925; US 39604806 A 20060331