

Title (en)
MANAGEMENT AND CONTROL OF DISPENSING MACHINES THROUGH THE DIGITAL MOBILE TELEPHONE CONTROL CHANNELS

Title (de)
VERWALTUNG UND STEUERUNG VON ABGABEAUTOMATEN DURCH DIGITALE MOBILTELEFONSTEUERUNGSKANÄLE

Title (fr)
GESTION ET CONTROLE DES DISTRIBUTEURS AUTOMATIQUES A TRAVERS LES CANAUX DE CONTROLE DE LA TELEPHONIE MOBILE NUMERIQUE

Publication
EP 1119210 A1 20010725 (EN)

Application
EP 99969884 A 19990927

Priority
• ES 9900302 W 19990927
• ES 9802016 A 19980928

Abstract (en)
The system provides for the control and management of a large number of dispensing machines through the use of digital mobile telephone control channels, without having to use voice channels. Each dispensing machine has a controller which collects all data sent by sensors, such as the impedance of certain circuits, vibration, temperature and the like. Then the data is sent by means of a wireless digital modem through the control channels to a host computer which processes and stores the data. the host computer can also control certain operation characteristics of each dispensing machine such as reset, disablement and the like, The use of the control channels in order to send messages results in cost saving with respect to the use of voice channels. <IMAGE>

IPC 1-7
H04Q 7/22; **G07F 5/18**; **G06F 17/60**; **G08B 25/10**

IPC 8 full level
G07F 5/18 (2006.01); **G07F 9/02** (2006.01)

CPC (source: EP US)
G07F 5/18 (2013.01 - EP); **G07F 9/001** (2020.05 - EP US); **G07F 9/002** (2020.05 - EP US); **G07F 9/02** (2013.01 - EP)

Citation (search report)
See references of WO 0019748A1

Cited by
CN103353972A; ITTE20090008A1; AU2017258898B2; CN109215219A; US8243905B2; US7634252B2; US11037128B2; US8456508B2; WO2004082214A3; US8269816B2; US8433755B2; US8433813B2; US8249237B2

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)
EP 1119210 A1 20010725; AU 5984599 A 20000417; ES 2150380 A1 20001116; ES 2150380 B1 20010401; WO 0019748 A1 20000406

DOCDB simple family (application)
EP 99969884 A 19990927; AU 5984599 A 19990927; ES 9802016 A 19980928; ES 9900302 W 19990927