Title (en)
Currency handling apparatus

Title (de)
Geldverarbeitungsvorrichtung

Title (fr)
Machine pour le traitement de la monnaie

Publication
EP 1050857 A2 20001108 (EN)

Application
EP 00116319 A 19980617

Priority
- EP 98930872 A 19980617
- GB 9712881 A 19970618
- GB 9721252 A 19971007

Abstract (en)
A currency handling apparatus for dispensing currency units from a plurality of stores, each for storing units of currency of a respective denomination, comprises means for predicting the future distribution of currency units to be dispensed and means for outputting a signal representing instructions for changes to the stores in accordance with the predicted future distribution.

IPC 1-7 (main, further and additional classification)
G07F 5/24

IPC 8 full level (invention and additional information)
G07D 1/06 (2006.01); **G07D 11/00** (2006.01); **G07F 5/24** (2006.01)

CPC (invention and additional information)
G07D 11/0054 (2013.01); **G07D 1/06** (2013.01); **G07D 11/0087** (2013.01); **G07F 5/24** (2013.01)

Citation (applicant)
- GB 1397083 A 19750611 - MARS INC
- GB 1443934 A 19760728 - MARS INC
- GB 2254948 A 19921021 - MARS INC [US]
- GB 2094008 A 19820908 - MARS INC
- GB 2246897 A 19920212 - MARS INC [US]

Cited by
DE202006009200U1; EP1391852A1; US6974016B2; WO2006086531A1

Designated contracting state (EPC)
DE ES FR GB

EPO simple patent family
GB 2326507 A 19981223; GB 2326507 B 20011212; GB 9721252 D0 19971203; EP 1050857 A2 20001108; EP 1050857 A3 20010117; EP 1050857 B1 20030903; EP 1327964 A2 20030716; EP 1327964 A3 20040929; GB 2326504 A 19981223; GB 9712881 D0 19970820

INPADOC legal status

2016-11-30 [PG25 ES] LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO
- Ref Country Code : ES
- Free text : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES
- Effective date : 20150618

2016-07-27 [REG ES FD2A] ANNOUNCEMENT OF LAPSE IN SPAIN
- Effective date : 20160727

2016-04-29 [PG25 DE] LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO
- Ref Country Code : DE
- Free text : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES
- Effective date : 20160101

2016-04-29 [PG25 GB] LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO
- Ref Country Code : GB
- Free text : LAPSE BECAUSE OF NON-PAYMENT OF DUE FEES
- Effective date : 20150617

2016-02-24 [GBPC] GB: EUROPEAN PATENT CEASED THROUGH NON-PAYMENT OF RENEWAL FEE
- Effective date : 20150617

2016-01-01 [REG DE R119] APPLICATION DEEMED WITHDRAWN, OR IP RIGHT LAPSED, DUE TO NON-PAYMENT OF RENEWAL FEE
- Document : DE 69817876

2014-08-29 [PGFP DE] POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE

- Ref Country Code : DE
- Payment date : 20140611
- Year of fee payment : 17

2014-08-29 [PGFP ES] POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE
- Ref Country Code : ES
- Payment date : 20140513
- Year of fee payment : 17

2014-07-31 [PGFP GB] POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE
- Ref Country Code : GB
- Payment date : 20140611
- Year of fee payment : 17

2006-12-13 [REG GB 732E] AMENDMENTS TO THE REGISTER IN RESPECT OF CHANGES OF NAME OR CHANGES AFFECTING RIGHTS (SECT. 32/1977)

2006-08-09 [REG GB 732E] AMENDMENTS TO THE REGISTER IN RESPECT OF CHANGES OF NAME OR CHANGES AFFECTING RIGHTS (SECT. 32/1977)

2004-09-17 [EN] FR: TRANSLATION NOT FILED

2004-08-25 [26N] NO OPPOSITION FILED
- Effective date : 20040604

2004-05-01 [REG ES FG2A] DEFINITIVE PROTECTION
- Document : ES 2204415 T3

2003-10-09 [REF] CORRESPONDS TO:
- Document : DE 69817876 P 20031009

2003-09-03 [AC] DIVISIONAL APPLICATION (ART. 76) OF:
- Document : EP 0988621 P

2003-09-03 [AK] DESIGNATED CONTRACTING STATES:
- Kind Code of Ref Document : B1
- Designated State(s) : DE ES FR GB

2003-09-03 [REG GB FG4D] EUROPEAN PATENT GRANTED

2003-09-03 [PG25 FR] LAPSED IN A CONTRACTING STATE ANNOUNCED VIA POSTGRANT INFORM. FROM NAT. OFFICE TO EPO
- Ref Country Code : FR
- Free text : LAPSE BECAUSE OF FAILURE TO SUBMIT A TRANSLATION OF THE DESCRIPTION OR TO PAY THE FEE WITHIN THE PRESCRIBED TIME-LIMIT
- Effective date : 20030903

2001-10-24 [17Q] FIRST EXAMINATION REPORT
- Effective date : 20010911

2001-10-04 [AKX] PAYMENT OF DESIGNATION FEES
- Free text : DE ES FR GB

2001-09-20 [DET] DE: TRANSLATION OF PATENT CLAIMS

2001-09-05 [17P] REQUEST FOR EXAMINATION FILED
- Effective date : 20010711

2001-01-17 [AK] DESIGNATED CONTRACTING STATES:
- Kind Code of Ref Document : A3
- Designated State(s) : DE ES FR GB

2000-11-08 [AC] DIVISIONAL APPLICATION (ART. 76) OF:
- Document : EP 988621

2000-11-08 [AK] DESIGNATED CONTRACTING STATES:
- Kind Code of Ref Document : A2
- Designated State(s) : DE ES FR GB