



(22) Date de dépôt/Filing Date: 2007/10/22

(41) Mise à la disp. pub./Open to Public Insp.: 2009/02/18

(45) Date de délivrance/Issue Date: 2009/06/16

(51) Cl.Int./Int.Cl. *B42D 15/00* (2006.01),
B41M 5/26 (2006.01), *B42F 3/02* (2006.01)

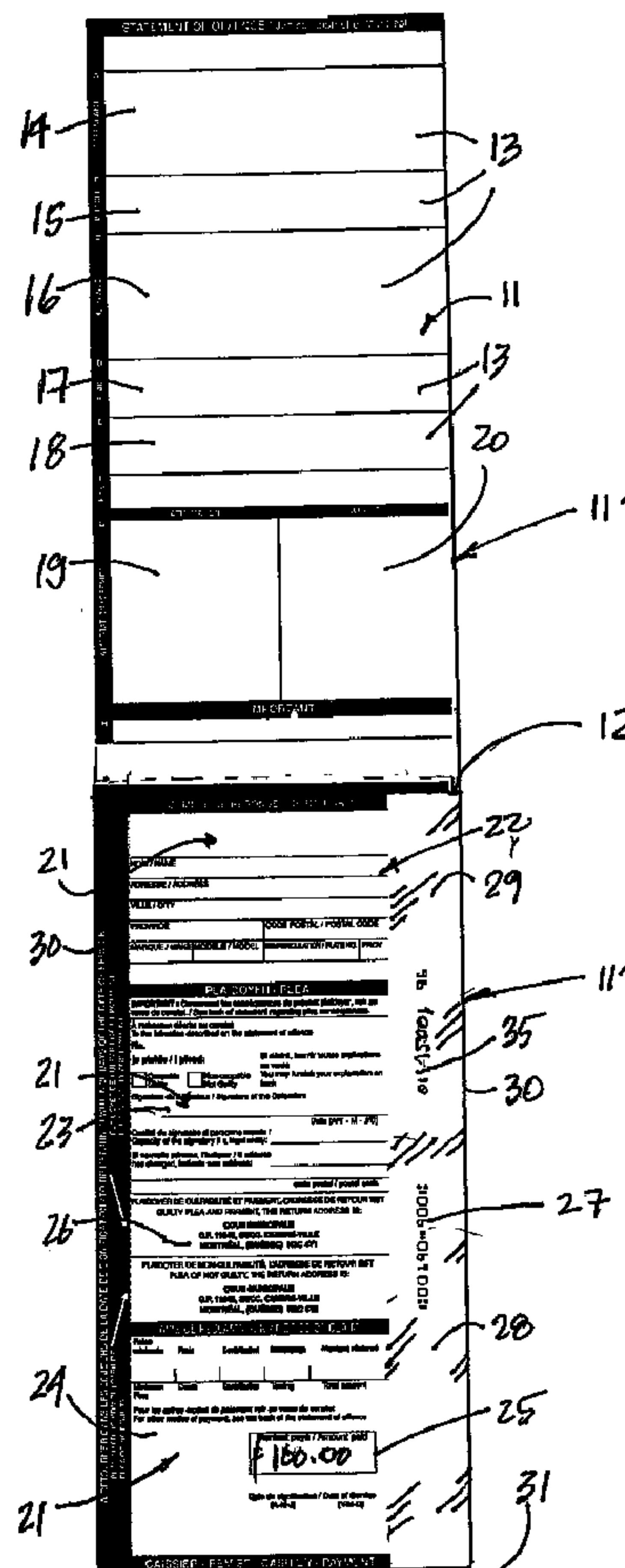
(72) Inventeur/Inventor:
LAMOTHE, RENE, CA

(73) Propriétaire/Owner:
THE DATA GROUP LIMITED PARTNERSHIP, BY ITS
GENERAL PARTNER DATA BUSINESS FORMS
LIMITED, CA

(74) Agent: OGILVY RENAULT LLP/S.E.N.C.R.L.,S.R.L.

(54) Titre : FORMULAIRE DE VERBALISATION AVEC ZONE IMPRIMABLE A VERNIS ULTRAVIOLET

(54) Title: TICKETING FORM WITH UV VARNISH PRINTABLE AREA



(57) Abrégé/Abstract:

A vehicle infraction ticketing form is comprised of an elongated thermal paper form having at least two printed form sections. The form sections have designated printed areas containing printing associated with vehicle identification information and infraction.



(57) **Abrégé(suite)/Abstract(continued):**

One of the form sections has designated areas associated with vehicle owner's identity and response to the vehicle infraction including an identification of a financial cost associated with a fine of the infraction. The second form section is detachable whereby to accompany the payment of the fine and also contains a printed magnetic ink code in a marginal area thereof. A UV varnish transparent coating is disposed over the ink code and at least another portion of the marginal area to permit the printing of another ink code over the UV varnish by a payment processing entity.

- 12 -

ABSTRACT

A vehicle infraction ticketing form is comprised of an elongated thermal paper form having at least two printed form sections. The form sections have designated printed areas containing printing associated with vehicle identification information and infraction. One of the form sections has designated areas associated with vehicle owner's identity and response to the vehicle infraction including an identification of a financial cost associated with a fine of the infraction. The second form section is detachable whereby to accompany the payment of the fine and also contains a printed magnetic ink code in a marginal area thereof. A UV varnish transparent coating is disposed over the ink code and at least another portion of the marginal area to permit the printing of another ink code over the UV varnish by a payment processing entity.

- 1 -

TICKETING FORM WITH UV VARNISH
PRINTABLE AREA

The present invention relates to a vehicle
5 infraction ticketing form and particularly to a form wherein
the detachable portion which accompanies the payment of the
fine is provided in a marginal area thereof with a UV
varnish which protects an MICR code printed thereon and
which permits another code with uniformity to be printed
10 over the varnish to one side of the MICR code.

It is known to provide forms in roll form for use
in hand-held portable printing machines which are linked
through a wireless communication with a central computer
whereby the hand-held printer prints information associated
15 with the form in designated areas thereof. The form is
defined in a long narrow paper strip having sections which
are detachable. It is also known to provide an MICR code to
identify a form. These rolls of paper forms usually utilize
thermal paper whereby they can be used when the forms are
20 detached, in automatic processing machines and the thermal
coating also provides a waterproofing feature.

Currently, paper form automobile infraction tickets
require information to be handwritten onto these forms, and
often the handwriting is not legible and many errors are
25 associated with these. Usually, the ticketing officer
maintains a carbon copy of the ticket and this information
needs to be transferred to a central computer where records
are stored. Often, the information is smudged or not
legible and the ticket cannot be processed or is wrongly
30 processed.

Thermal paper vehicle infraction ticket forms are
desirable but because the thermal paper is coated it
provides for a surface which is not adequate to retain a
code printed thereon by ink ribbon coders, such as the codes
35 printed by the banks and wherein the code is imprinted by

- 2 -

pressure applied by hammers of a printing device impinging on a ribbon containing ink. Often, the letters or numbers of these codes cannot be transferred with full integrity or uniformity and are easily smudged by the fingers of a user
5 person. Accordingly, such ticketing forms are not adequate for use by hand-held automatic reading machines.

It is a feature of the present invention to provide a vehicle infraction ticketing form which substantially overcomes the above-mentioned disadvantage of the prior art.

10 According to the above feature, from a broad aspect, the present invention provides a vehicle infraction ticketing form which comprises an elongated thermal paper form having at least two printed form sections. A first of the printed form sections has printed designated areas to
15 provide for the printing of vehicle identification information and other information associated with a vehicle infraction. A second of the printed form sections is also provided with printed designated areas associated with a vehicle owner's identity and response to the vehicle
20 infraction including an identification of financial costs of a fine associated with the infraction. The second form section is a detachable form section to accompany a mode of payment of the fine. The second form section contains a printed magnetic ink code in a marginal area thereof. A UV
25 transparent varnish coating is disposed over the ink code and at least another portion of the marginal area to permit the printing of another ink code over the UV varnish by a payment processing entity.

According to another broad aspect of the present
30 invention the UV varnish coating seals the ink code in the surface of the thermal paper and also provides for a primer surface to permit adherence and quick drying of the other ink code.

- 3 -

A preferred embodiment of the present invention will now be described with reference to the accompanying drawings in which:

FIG. 1 is a plan view of an infraction ticketing
5 form constructed in accordance with the present invention;

FIG. 2 is a simplified plan view showing another version of the infraction ticketing form of the present invention;

FIG. 3 is a perspective view showing the form
10 provided in a roll form and used by a hand-held portable printing machine communicating with a central remote computer; and

FIG. 4 is a block diagram showing the process associated with the vehicle infraction ticketing form.

15 Referring now to the drawings and more particularly to Figures 1 and 2, there is shown generally at 10 the vehicle infraction ticketing form of the present invention. It is comprised of an elongated thermal paper form 11 which has at least two printed form sections 11' and 11''
20 interconnected together by a perforated fold line 12. The perforated fold line 12 is a tear line provided to detach the forms from one another as well as permitting the forms to be folded one behind the other.

A first of the printed forms, namely form 11', is
25 provided with designated printed areas 13 to provide for the printing of vehicle identification information and other information associated with a vehicle infraction. As hereinshown the printed form section 11' is a statement of offense section. The designated area 14 is used to record
30 the identity of the vehicle owner, the designated area 15 the identity of the vehicle, the designated area 16 the infraction, the designated area 17 the location of the infraction, and the designated area 18 the fine. The designated area 19 is used for the attestation and the area

- 4 -

20 for the service. Of course, this form can be structured differently as is obvious to a person skilled in the art.

The second printed form section 11" is also provided with designated areas 21 associated with a vehicle owner's identity such as in the designated area 22 there is also a pleading designated area 23 and a notice of claim designated area 24. The notice of claim area 24 contains an area 25 where the financial cost of the fine associated with the infraction is printed. As mentioned hereinabove, this
10 second printed form section 11" is detachable from the perforated fold line 12 and is mailed to a designated mailing address 26 provided on the second printed form section.

As also shown in Figure 1, the second printed form
15 section 11" is provided with a printed magnetic ink code, herein an MICR code 27 in a marginal area 28 of the second printed form section 11". A UV varnish 29 illustrated by the oblique gloss lines 29' is disposed over the MICR code 27 and at least another portion of the marginal area 28. As
20 hereinshown, the marginal area extends adjacent one of the elongated side edges 30 of the rectangular form section 11" and between the top end edge, where the perforated fold line 12 is located, and the bottom straight end edge 31. This delineated area has a constant width throughout. The UV
25 varnish 29 permits the printing of another ink code, herein ink code 35, by a banking institution and the advantage of this UV varnish is that it provides a primer surface over the glossy surface of the thermal paper with the primer surface providing for the ink code 35 to be legibly
30 imprinted thereon and also to dry quickly on the primer surface to prevent smudging and to maintain the integrity of the printed ink code whereby it will remain legible for future processing by automatic processing machines. The UV varnish also provides for the protection of the MICR code 27

- 5 -

sealing it over the glossy surface of the thermal paper form 11".

The UV varnish 29 is a UV curable substance containing an organic polymer and a photo initiator. Accordingly, in the construction of the ticketing form 10 the form is passed through a drying machine which is comprised of UV tubes (not shown but obvious to a person skilled in the art) wherein UV rays are used to cross-link and polymerize the UV varnish substance coded in the marginal area 28. Because the printed form section 11" is a rectangular form it has straight side edges permitting it to be easily processed by automatic processing machines.

As shown in Figure 2, the form 10' is modified wherein it may have three printed form sections. The bottom section is the same as the section 11" but the top section is comprised of two sections 11'. For example, one of the top sections may be printed in a first language and the other top section is a duplicate of the first top section but in a second language. The bottom section would be bilingual. Perforated fold lines 12 are provided between each of the sections and this provides the three sections to be folded one behind the other to form a compact passage for easy placement behind the windshield wipers of a vehicle having caused an infraction or provides for a neat folded package to be given to a person occupying a vehicle having caused an infraction.

With reference now to Figure 3, there is shown generally at 40 a hand-held portable printing machine which contains therein a roll 41 of ticketing forms 10 interconnected end-to-end by the perforated fold lines 12 which extends transverse to the form. This portable printing machine 40 is well known in the art and currently in use and is provided with a wireless communication link 42 to a remote central computer 43 in which information associated with a registration license plate of vehicles is

- 6 -

stored whereby information can be automatically communicated to the hand-held portable printing machine 40 and automatically printed in the designated areas 13 of the ticketing form by the portable printing machine and at a site where an infraction has occurred. The remote central computer 43 records all information printed on the ticketing form entered by a user person. Accordingly, all of the information contained on the infraction form ticket is stored in a memory 44 of the remote computer 43.

10 As previously described the printed form section 11" is forwarded to a designated location 26, herein a location, such as the Municipal Court address of a city and such location is indicated in Figure 4 by reference numeral 45. The recipient of the ticketing form forwards his payment together with the form section 11" to this designated mailing address where the payment and form is redirected to a banking entity 46, as shown in the block diagrams of Figure 4. When the payment is received at the designated banking entity, together with the form section 20 11", the payment is processed and the marginal area 27 is then encoded with a fine paid dollar amount code 35, as identified in Figure 1, and disposed over the UV varnish. As above-mentioned, this UV varnish permits the magnetic ink code to be fully legible and permits it to dry quickly. The form 11" is then returned by the bank to a clearing house 47 where this form section 11" is proceeded by automatic reading machines 48 which identify all of the information in the marginal area and generates a payment with the MICR code to the mailing address 45 of the city through a communication link 49 or by other linking means. This processing address 45 of the city processes this further information by further automatic reading machines which are interfaced with the central computer through a wireless link 30 50 whereby the recorded ticket information in the central

- 7 -

computer memory will be modified and updated due to the fact that the payment has been processed and received.

It is within the ambit of the present invention to cover any obvious modifications of the preferred embodiment
5 described herein, provided such modifications fall within the scope of the appended claims.

- 8 -

CLAIMS,

1. A vehicle infraction ticketing form comprising an elongated thermal paper form having at least two printed form sections, a first of said printed form sections having printed designated areas to provide for the printing of vehicle identification information and other information associated with a vehicle infraction, and a second of said printed form sections also provided with printed designated areas associated with a vehicle owner's identity and response to said vehicle infraction including an identification of a financial cost of a fine associated with the said infraction, said second form section being a detachable form section to accompany a mode of payment of said fine, said second form section containing a printed magnetic ink code in a marginal area thereof, and a UV transparent varnish coating disposed over said ink code and at least another portion of said marginal area to permit the printing of another ink code over said UV varnish by a payment processing entity.

2. A vehicle infraction ticketing form as claimed in claim 1 wherein said UV varnish is a UV curable substance containing an organic polymer and a photo initiator, and wherein UV rays are used to cross-link and polymerize said substance coated in said marginal area.

3. A vehicle infraction ticketing form as claimed in claim 2 wherein said second form section is an elongated vertically disposed rectangular form having opposed parallel elongated straight side edges and opposed parallel top and bottom straight edges, said printed designated areas of said second form section containing printed matter disposed transversely of said elongated side edges, said marginal area extending adjacent one of said elongated side edges,

- 9 -

said printed magnetic ink code extending along a straight axis parallel to elongated side edges.

4. A vehicle infraction ticketing form as claimed in claim 3 wherein said marginal area extends between said top and bottom edges.

5. A vehicle infraction ticketing form as claimed in claim 4 wherein said UV varnish is disposed over said marginal area between said top and bottom edges.

6. A vehicle infraction ticketing form as claimed in claim 4 wherein said UV varnish constitutes a primer surface in said marginal area to permit adherence and quick drying of said other ink code.

7. A vehicle infraction ticketing form as claimed in claim 2 wherein said first of said printed form sections is formed of two detachable parts each containing printed matter pertaining to a statement of offense information, a first of said two detachable parts having said statement of offense information printed in a first language and a second of said two detachable parts having said statement of offense information printed in a second language, said two detachable parts each comprising a printed delineated area to print the identity of the vehicle owner, the identity of the vehicle, the infraction, the location, the fine and the attestation/service, said second form section being a bilingual form section.

8. A vehicle infraction ticketing form as claimed in claim 3 in combination with a hand-held portable printing machine and wherein a plurality of said ticketing forms are interconnected together by transverse perforated tear lines and disposed in a roll form for use with said portable

- 10 -

printing machine, said portable printing machine having a wireless communication link with a central computer in which information associated with a registration license plate of said vehicle is stored whereby information is automatically printed in some of said printed designated areas of said ticketing form by said portable printing machine at a site where said infraction has occurred, said central computer recording all information printed on said ticketing form entered by a user person.

9. A vehicle infraction ticketing form as claimed in claim 8 wherein all said ticketing forms containing said recorded information are disposed at an appropriate location on said vehicle having committed said infraction or given to a vehicle attendant, said central computer having stored in a memory thereof all of said recorded information.

10. A vehicle infraction ticketing form as claimed in claim 9 wherein said second form section together with a payment thereof is forwarded to a designated mailing address where said form and payment is directed to a banking entity where said second form section is encoded with a paid fine dollar amount code in said marginal area with said magnetic ink code and over said UV varnish whereby said magnetic ink code is fully legible and dries quickly and returned to a clearance house where said second form section is processed by an automatic reading machine to issue a payment with the identity of said magnetic ink code to said designated mailing address where said second form is again processed by a further automatic reading machine interfaced with said central computer having said recorded information stored therein whereby said recorded information is accessed and updated by said payment.

- 11 -

11. A vehicle infraction ticketing form as claimed in claim 1 wherein said printed magnetic ink code is an MICR code.

STATEMENT OF OFFENCE / Judicial district of Montreal

14 DEFENDANT

15 VEHICLE

16 OFFENCE

17 PLACE

18 FINE

19 ATTESTATION / SERVICE

ATTESTATION SERVICE

IMPORTANT

FORMULE DE REPONSE / REPLY FORM

21 NOM / NAME

ADRESSE / ADDRESS

VILLE / CITY

PROVINCE

CODE POSTAL / POSTAL CODE

MARQUE / MAKE

MODÈLE / MODEL

IMMATRICULATION / PLATE NO.

PROV.

PLAIDOYER / PLEA

IMPORTANT : Concernant les conséquences du présent plaideoyer, voir au verso du constat. / See back of statement regarding plea consequences.

À l'infraction décrite au constat / To the infraction described on the statement of offence

No.

Je plaide / I plead:

☒ Coupable / Guilty

☐ Non-coupable / Not Guilty

Si désiré, fournir toutes explications au verso / You may furnish your explanation on back

Signature du défendeur / Signature of the Defendant

Date (A/Y - M - J/D)

Qualité du signataire si personne morale / Capacity of the signatory if a legal entity:

Si nouvelle adresse, l'indiquer / If address has changed, indicate new address:

code postal / postal code

PLAIDOYER DE CULPABILITÉ ET PAIEMENT, L'ADRESSE DE RETOUR EST :
GUILTY PLEA AND PAYMENT, THE RETURN ADDRESS IS:

COUR MUNICIPALE
C.P. 11048, SUCC. CENTRE-VILLE
MONTREAL, (QUEBEC) H3C 4Y1

PLAIDOYER DE NON-CULPABILITÉ, L'ADRESSE DE RETOUR EST :
PLEA OF NOT GUILTY, THE RETURN ADDRESS IS:

COUR MUNICIPALE
C.P. 11048, SUCC. CENTRE-VILLE
MONTREAL, (QUEBEC) H3C 4Y2

AVIS DE RECLAMATION / NOTICE OF CLAIM

Paine minimale	Frais	Contribution	Remorquage	Montant réclamé
Minimum Fine	Costs	Contribution	Towing	Total amount

Pour les autres modes de paiement voir au verso du constat / For other modes of payment, see the back of the statement of offence

Montant payé / Amount paid
\$100.00

Date de signification / Date of Service (A-M-J) (Y-M-D)

CAISSIER - REMISE / CASHIER - PAYMENT

FIG. 1

10'

11'

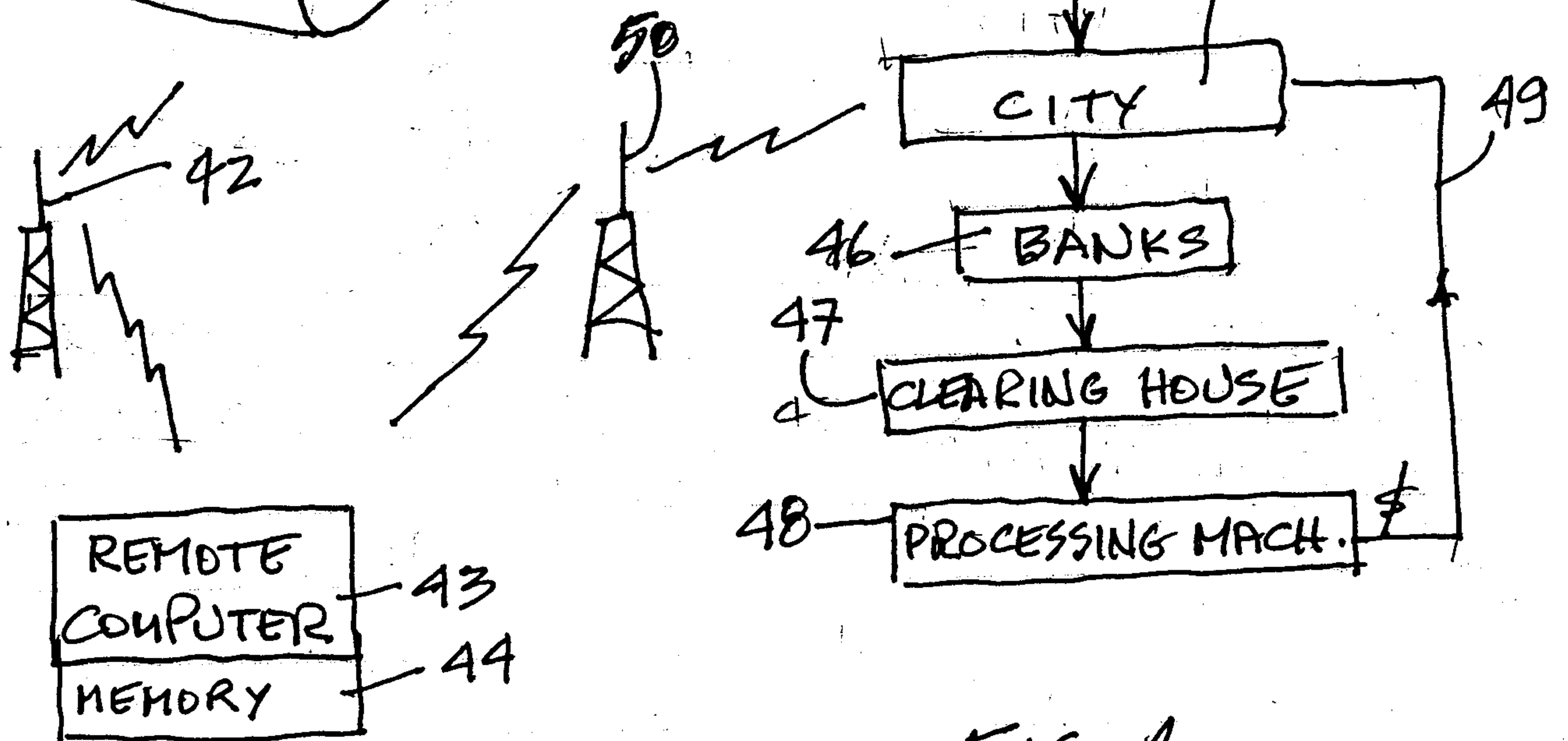
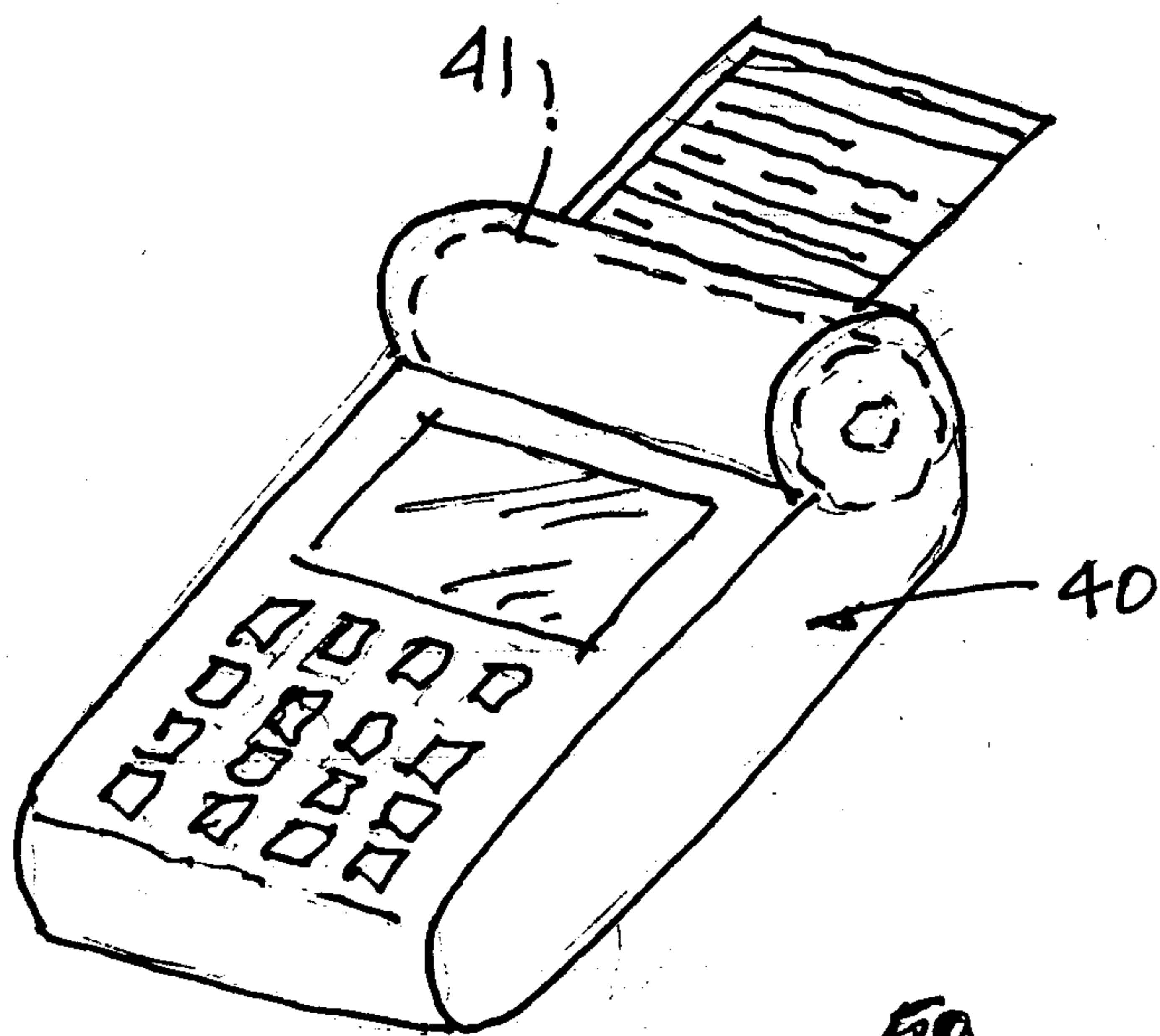
12

11"

12

11"

FIG. 2



14

15

16

17

18

19

20

21

22

23

24

25

26

27

28

29

30

31

32

33

34

35

36

37

38

39

40

41

42

43

44

45

46

47

48

49

50

51

52

53

54

55

56

57

58

59

60

61

62

63

64

65

66

67

68

69

70

71

72

73

74

75

76

77

78

79

80

81

82

83

84

85

86

87

88

89

90

91

92

93

94

95

96

97

98

99

100

101

102

103

104

105

106

107

108

109

110

111

112

113

114

115

116

117

118

119

120

121

122

123

124

125

126

127

128

129

130

131

132

133

134

135

136

137

138

139

140

141

142

143

144

145

146

147

148

149

150

151

152

153

154

155

156

157

158

159

160

161

162

163

164

165

166

167

168

169

170

171

172

173

174

175

176

177

178

179

180

181

182

183

184

185

186

187

188

189

190

191

192

193

194

195

196

197

198

199

200

201

202

203

204

205

206

207

208

209

210

211

212

213

214

215

216

217

218

219

220

221

222

223

224

225

226

227

228

229

230

231

232

233

234

235

236

237

238

239

240

241

242

243

244

245

246

247

248

249

250

251

252

253

254

255

256

257

258

259

260

261

262

263

264

265

266

267

268

269

270

271

272

273

274

275

276

277

278

279

280

281

282

283

284

285

286

287

288

289

290

291

292

293

294

295

296

297

298

299

300

301

302

303

304

305

306

307

308

309

310

311

312

313

314

315

316

317

318

319

320

321

322

323

324

325

326

327

328

329

330

331

332

333

334

335

336

337

338

339

340

341

342

343

344

345

346

347

348

349

350

351

352

353

354

355

356

357

358

359

360

361

362

363

364

365

366

367

368

369

370

371

372

373

374

375

376

377

378

379

380

381

382

383

384

385

386

387

388

389

390

391

392

393

394

395

396

397

398

399

400

401

402

403

404

405

406

407

408

409

410

411

412

413

414

415

416

417

418

419

420

421

422

423

424

425

426

427

428

429

430

431

432

433

434

435

436

437

438

439

440

441

442

443

444

445

446

447

448

449

450

451

452

453

454

455

456

457

458

459

460

461

462

463

464

465

466

467

468

469

470

471

472

473

474

475

476

477

478

479

480

481

482

483

484

485

486

487

488

489

490

491

492

493

494

495

496

497

498

499

500

501

502

503

504

505

506

507

508

509

510

511

512

513

514

515

516

517

518

519

520

521

522

523

524

525

526

527

528

529

530

531

532

533

534

535

536

537

538

539

540

541

542

543

544

545

546

547

548

549

550

551

552

553

554

555

556

557

558

559

560

561

562

563

564

565

566

567

568

569

570

571

572

573

574

575

576

577

578

579

580

581

582

583

584

585

586

587

588

589

590

591

592

593

594

595

596

597

598

599

600

601

602

603

604

605

606

607

608

609

610

611

612

613

614

615

616

617

618

619

620

621

622

623

624

625

626

627

628

629

630

631

632

633

634

635

636

637

638

639

640

641

642

643

644

645

646

647

648

649

650

651

652

653

654

655

656

657

658

659

660

661

662

663

664

665

666

667

668

669

670

671

672

673

674

675

676

677

678

679

680

681

682

683

684

685

686

687

688

689

690

691

692

693

694

695

696

697

698

699

700

701

702

703

704

705

706

707

708

709

710

711

712

713

714

715

716

717

718

719

720

721

722

723

724

725

726

727

728

729

730

731

732

733

734

735

736

737

738

739

740

741

742

743

744

745

746

747

748

749

750

751

752

753

754

755

756

757

758

759

760

761

762

763

764

765

766

767

768

769

770

771

772

773

774

775

776

777

778

779

780

781

782

783

784

785

786

787

788

789

790

791

792

793

794

795

796

797

798

799

800

801

802

803

804

805

806

807

808

809

810

811

812

813

814

815

816

817

818

819

820

821

822

823

824

825

826

827

828

829

830

831

832

833

834

835

836

837

838

839

840

841

842

843

844

845

846

847

848

849

850

851

852

853

854

855

856

857

858

859

860

861

862

863

864

865

866

867

868

869

870

871

872

873

874

875

876

877

878

879

880

881

882

883

884

885

886

887

888

889

890

891

892

893

894

895

896

897

898

899

900

901

902

903

904

905

906

907

908

909

910

911

912

913

914

915

916

917

918

919

920

921

922

923

924

925

926

927

928

929

930

931

932

933

934

935

936

937

938

939

940

941

942

943

944

945

946

947

948

949

950

951

952

953

954

955

956

957

958

959

960

961

962

963

964

965

966

967

968

969

970

971

972

973

974

975

976

977

978

979

980

981

982

983

984

985

986

987

988

989

990

991

992

993

994

995

996

997

998

999

1000