

## Title (en)

Thermal tape printing apparatus for a corded or cordless hand-held payment terminal

## Title (de)

Thermodruckbandgerät für mit oder ohne Kabel arbeitendes tragbares Zahlungsendgerät

## Title (fr)

Dispositif d'impression thermique d'une bande de papier enroulée, notamment pour terminal de paiement portable avec ou sans fil

## Publication

**EP 0974469 A1 20000126 (FR)**

## Application

**EP 99401836 A 19990721**

## Priority

FR 9809372 A 19980722

## Abstract (en)

The unit has a robust structure for holding the paper roll with a hinged cover surrounding space for the paper roll providing supply to the thermal printing head. The portable payment terminal includes a keypad (4,5) with a hinged cover (100) and a thermal printing head printing on a band of rolled paper. The paper passes in front a thermal printing head (TPH) by a drive roller (ROL), and is cut into sections to form receipts. The device includes a fixed chassis (FIX) carrying the print head (TPH), and a movable cover (CO) giving access to a paper compartment. This is hinged about an axis (X2) which is parallel to the axis (X1) of the paper driver roller. The fixed part of the chassis (FIX) includes two lateral plates standing parallel, and perpendicular to the cover hinge axis, and joined by an inwardly curved cylindrical wall. The cover includes two discs which are intended to be seated between the two lateral plates, and a cylindrical envelope section which defines the paper compartment.

## Abstract (fr)

La partie fixe du châssis comprend deux joues latérales perpendiculaires à l'axe d'articulation du couvercle (X2), et comprenant chacune sur leur côté interne des moyens d'articulation fixes. Le couvercle (CO) comprend deux disques logés entre les deux joues fixes et comprenant chacun sur leur côté externe des moyens d'articulation mobiles coopérant avec les moyens d'articulation fixes. Un verrou (VE), articulé autour d'un axe (X3) parallèle à l'axe d'articulation du couvercle (X2), coopère avec le couvercle (CO) et la partie fixe du châssis en vue d'assurer un verrouillage/déverrouillage du compartiment papier sur la partie fixe du châssis. <IMAGE>

## IPC 1-7

**B41J 2/32**; **G07F 7/10**

## IPC 8 full level

**B41J 2/32** (2006.01); **B41J 15/04** (2006.01); **G07G 5/00** (2006.01)

## CPC (source: EP US)

**B41J 2/32** (2013.01 - EP US); **B41J 15/042** (2013.01 - EP US); **G07G 5/00** (2013.01 - EP US)

## Citation (search report)

- [A] US 5411342 A 19950502 - HORIE KENZO [JP], et al
- [A] EP 0505973 A2 19920930 - IDEMITSU KOSAN CO [JP]
- [A] US 4478145 A 19841023 - MISTYURIK JOHN D [US]
- [A] WO 9815929 A1 19980416 - HITACHI LTD [JP], et al
- [A] EP 0416960 A1 19910313 - FORTRONIC LTD [GB]
- [A] US 5486062 A 19960123 - TSURUMARU SHINICHIRO [JP]
- [A] US 4477305 A 19841016 - HAMISCH JR PAUL H [US], et al

## 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 0974469 A1 20000126**; **EP 0974469 B1 20041124**; AT E283170 T1 20041215; CA 2278320 A1 20000122; CA 2278320 C 20071030; DE 69922092 D1 20041230; DE 69922092 T2 20051222; ES 2234221 T3 20050616; FR 2781417 A1 20000128; FR 2781417 B1 20000908; US 6181361 B1 20010130

## DOCDB simple family (application)

**EP 99401836 A 19990721**; AT 99401836 T 19990721; CA 2278320 A 19990721; DE 69922092 T 19990721; ES 99401836 T 19990721; FR 9809372 A 19980722; US 35896399 A 19990722