

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
5 January 2006 (05.01.2006)

PCT

(10) International Publication Number
WO 2006/000021 A1

(51) International Patent Classification⁷: **G06F 17/60**

(21) International Application Number:
PCT/AU2005/000902

(22) International Filing Date: 24 June 2005 (24.06.2005)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
2004903470 25 June 2004 (25.06.2004) AU
2004903997 19 July 2004 (19.07.2004) AU
2004904941 30 August 2004 (30.08.2004) AU
2005901230 14 March 2005 (14.03.2005) AU

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(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM,

AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

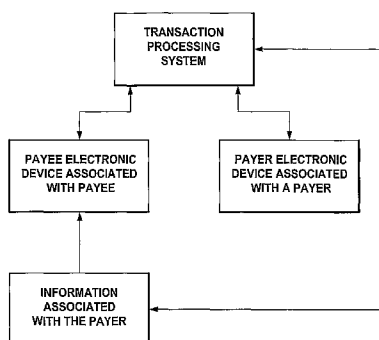
(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: A TRANSACTION PROCESSING METHOD, APPARATUS AND SYSTEM



(57) Abstract: The present invention relates to transaction processing, for processing of payments between payer's (usually individual payers) and payee's (usually merchants. Conventionally, a payment transaction involves a user's account details being provided to a merchant device, e.g. by swiping a card in the card swipe of the merchant device. The merchant device then prepares a transaction message including information such as the user's account ID, merchant ID and payment information and forwards that message to a transaction processing system, which may comprise a transaction acquirer and an issuing bank. The transaction processing system approves the payment and returns confirmation to the merchant. In the present invention a device associated with the payer, which in a preferred embodiment is a suitably adapted mobile telephone, becomes involved in the payment transaction process. At one level, the transaction processing system requests from the payer electronic device confirmation that the transaction should proceed and the payer keys in an appropriate PIN to authorise the transaction. At another level, all the transaction processing information is provided from the payer electronic device to the transaction processing system and the transaction processing system or the payer electronic device then confirm that the transaction is authorised to the merchant device. This takes the burden of transaction processing off the merchant and also increases the security of the transaction as the payer is in control. In a further embodiment, the payer electronic device may also upload listings of products and select products at the same time as paying for them, the payee (merchant) being advised of the selected product.

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