

# PATENT COOPERATION TREATY

From the  
INTERNATIONAL SEARCHING AUTHORITY

# PCT

WRITTEN OPINION OF THE  
INTERNATIONAL SEARCHING AUTHORITY  
(PCT Rule 43*bis*.1)

To:            see form PCT/ISA/220
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Date of mailing (day/month/year) see form PCT/ISA/210 (second sheet)
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Applicant's or agent's file reference see form PCT/ISA/220
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<b>FOR FURTHER ACTION</b> See paragraph 2 below
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International application No. PCT/EP2017/071473
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International filing date (day/month/year) 25.08.2017
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Priority date (day/month/year) 26.08.2016
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International Patent Classification (IPC) or both national classification and IPC INV. H02J7/00 G07G5/00 G06Q20/20 G06Q30/04
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Applicant CPD LTD
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1. This opinion contains indications relating to the following items:

- Box No. I Basis of the opinion
- Box No. II Priority
- Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
- Box No. IV Lack of unity of invention
- Box No. V Reasoned statement under Rule 43*bis*.1(a)(i) with regard to novelty, inventive step and industrial applicability; citations and explanations supporting such statement
- Box No. VI Certain documents cited
- Box No. VII Certain defects in the international application
- Box No. VIII Certain observations on the international application

2. **FURTHER ACTION**

If a demand for international preliminary examination is made, this opinion will usually be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA") except that this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1*bis*(b) that written opinions of this International Searching Authority will not be so considered.

If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later.

For further options, see Form PCT/ISA/220.

Name and mailing address of the ISA:   European Patent Office  D-80298 Munich Tel. +49 89 2399 - 0 Fax: +49 89 2399 - 4465
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Date of completion of this opinion  see form PCT/ISA/210
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Authorized Officer  Holz, Matthias  Telephone No. +49 89 2399-0
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**Box No. I Basis of the opinion**

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1. With regard to the **language**, this opinion has been established on the basis of:
  - the international application in the language in which it was filed.
  - a translation of the international application into , which is the language of a translation furnished for the purposes of international search (Rules 12.3(a) and 23.1 (b)).
2.  This opinion has been established taking into account the **rectification of an obvious mistake** authorized by or notified to this Authority under Rule 91 (Rule 43bis.1(a))
3.  With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, this opinion has been established on the basis of a sequence listing:
  - a.  forming part of the international application as filed:
    - in the form of an Annex C/ST.25 text file.
    - on paper or in the form of an image file.
  - b.  furnished together with the international application under PCT Rule 13ter.1(a) for the purposes of international search only in the form of an Annex C/ST.25 text file.
  - c.  furnished subsequent to the international filing date for the purposes of international search only:
    - in the form of an Annex C/ST.25 text file (Rule 13ter.1(a)).
    - on paper or in the form of an image file (Rule 13ter.1(b) and Administrative Instructions, Section 713).
4.  In addition, in the case that more than one version or copy of a sequence listing has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that forming part of the application as filed or does not go beyond the application as filed, as appropriate, were furnished.
5. Additional comments:

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**Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement**

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1. Statement

Novelty (N)	Yes: Claims	<u>2, 3</u>
	No: Claims	<u>1, 4-13</u>
Inventive step (IS)	Yes: Claims	
	No: Claims	<u>1-13</u>
Industrial applicability (IA)	Yes: Claims	<u>1-13</u>
	No: Claims	

2. Citations and explanations

see separate sheet

**Re Item V**

**Reasoned statement with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement**

1 Reference is made to the following documents:

D1 US 9 092 766 B1 (BEDIER OSAMA [US] ET AL) 28 July 2015  
(2015-07-28)

D2 US 2005/039453 A1 (SILVERBROOK KIA [AU]) 24 February  
2005 (2005-02-24)

2 The present application does not meet the criteria of Article 33(1) PCT, because the subject-matter of **claim 1** is not new in the sense of Article 33(2) PCT.

**D1** discloses (the references in brackets refer to D1):

Low voltage fiscal device for input and processing of fiscal data (see Abstract and Fig. 2-7), comprising one or more means for data input (230), a data processing block (210, 220), a fiscal memory (col. 7, l. 35-44), an input (630) for charge and/or power supply for attaching to a source of electrical power supply, a power supply block with a voltage/current regulator adapted to convert and distribute the voltage to internal blocks of the device (col. 25, l. 1-15), a battery block to accumulate electrical energy with at least one battery cell (col. 5, l. 32-38), and a printing mechanism (500), wherein the input for charge and/or power supply is a low voltage input (5V, see Fig. 3) for direct voltage with values up to essentially 5.5V, wherein all internal blocks of the fiscal device are adapted to be provided with power supply, directly or indirectly from the input for charge and/or power supply, with direct voltage and values up to essentially 5.5V, without increasing the voltage (see Fig. 3).

Note: D1 discloses all features of claim 1 as claim 1 does not explicitly state that the printing mechanism is one of the "internal blocks" powered with voltages of up to 5.5V. However, even if such an additional limitation was included in claim 1, the subject-matter of claim 1 would lack an inventive step in view of D1, as it would have been obvious to replace the 9V printer 500 used in D1 by a low-voltage printer as the latter is commonly known in the art, see e.g. D2, par. [0464]-[0467].

- 3 Dependent **claims 2-13** do not appear to contain any additional features which, in combination with the features of any claim to which they refer, meet the requirements of the PCT in respect of novelty and/or inventive step, the reasons being as follows:
- 3.1 Claims 2, 3: By replacing the 9V printer of D1 with a low-voltage printer as described e.g. in D2, par. [0464]-[0467], the skilled person would obviously be prompted to connect the printer directly to either the battery or the power supply without need for voltage increase.
- 3.2 Claims 4, 5: USB port, see D1, col. 24, l. 26-67.
- 3.3 Claim 6: Charging a battery and provide power therefrom, see D1, col. 23, l. 36-54.
- 3.4 Claims 7-9: Power supply block, see D1, Fig. 3.
- 3.5 Claims 10-12: Wireless communication module, see D1, col. 29, l. 57-64.
- 3.6 Claim 13: Two or more battery cells, see D1, col. 24, l. 3-12.
- 4 Contrary to the requirements of Rule 5.1(a)(ii) PCT, the relevant background art disclosed in **D1** is not mentioned in the description, nor is this document identified therein.