

# PATENT COOPERATION TREATY

# PCT

From the INTERNATIONAL SEARCHING AUTHORITY

To:  
 Mak, Andras  
 SBGK PATENT ATTORNEYS  
 Andrassy ut. 113.  
 H-1062 Budapest  
 HONGRIE

INVITATION TO PAY ADDITIONAL FEES  
 AND, WHERE APPLICABLE, PROTEST FEE  
 (PCT Article 17(3)(a) and Rule 40.1 and 40.2(e))

	Date of mailing (day/month/year) <span style="float: right;">4 May 2018 (04-05-2018)</span>
Applicant's or agent's file reference 717786/PCT/MK	<b>PAYMENT DUE</b> within <b>ONE MONTH</b> from the above date of mailing
International application No. PCT/HU2018/000002	International filing date (day/month/year) <span style="float: right;">26 January 2018 (26-01-2018)</span>
Applicant  HOFFMANN, DANIEL	

1. This International Searching Authority

(i) considers that there are 4 (number of) inventions claimed in the international application covered by the claims indicated on an extra sheet:

(ii) therefore considers that **the international application does not comply with the requirements of unity of invention** (Rules 13.1, 13.2 and 13.3) for the reasons indicated on an extra sheet:

(iii)  has carried out a partial international search (see Annex)  will establish the international search report on those parts of the international application which relate to the invention first mentioned in claims Nos.:  
**see extra sheet**

(iv) will establish the international search report on the other parts of the international application only if, and to the extent to which, additional fees are paid.

2. Consequently, the applicant is hereby **invited to pay**, within the time limit indicated above, the amount indicated below:

<u>EUR 1.875,00</u>	x	<u>3</u>	=	<u>EUR 5.625,00</u>
Fee per additional invention		number of additional inventions		currency/total amount of additional fees

3. The applicant is informed that, according to Rule 40.2(c), **the payment of any additional fee may be made under protest**, i.e., a reasoned statement to the effect that the international application complies with the requirement of unity of invention or that the amount of the required additional fee is excessive, where applicable, subject to the payment of a protest fee.  
 Where the applicant pays additional fees under protest, the applicant is hereby invited, within the time limit indicated above, to pay a protest fee (Rule 40.2(e)) in the amount of EUR 875,00 (currency/amount)

Where the applicant has not, within the time limit indicated above, paid the required protest fee, the protest will be considered not to have been made and the International Searching Authority will so declare.

4.  Claim(s) Nos. \_\_\_\_\_ have been found to be unsearchable under Article 17(2)(b) because of defects under Article 17(2)(a) and therefore have not been included with any invention.

Name and mailing address of the International Searching Authority European Patent Office, P.B. 5818 Patentlaan 2 NL-2280 HV Rijswijk Tel. (+31-70) 340-2040 Fax: (+31-70) 340-3016	Authorized officer DELIMON, Krista Tel: +31 (0)70 340-4446
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This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-8, 13-20  
mechanic movement of display or mask  
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2. claims: 9, 10, 21, 22  
head or eye movement as user input  
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3. claims: 11, 12, 23, 24  
fresnel lens  
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4. claims: 25, 26  
gyroscopic sensor  
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Reference is made to the following document:

D1 Anonymous: "[Solved] 4:3 Resolution on Widescreen Help", 30 September 2016 (2016-09-30), XP055469680, Retrieved from the Internet:  
URL:<https://www.supermariobrosx.org/forums/viewtopic.php?t=16754>  
[retrieved on 2018-04-23]

#### 1 Unity of Invention - Rule 13 PCT

1.1 This International Searching Authority found multiple groups of inventions in this international application, as follows:

- a) Claims 1 to 8, 13 to 20: A method for enhancing an interactive multimedia experience, where a content is presented on a 16:9 widescreen display, the sides of which are masked such that a 4:3 viewing window remains, where upon user input, display and mask are mechanically moved such that different parts of the display become visible.
- b) Claims 9 to 10 and 21 to 22: A method for enhancing an interactive multimedia experience, where a content is presented on a 16:9 widescreen display, the sides of which are masked such that a 4:3 viewing window remains, where a user's head or eye movement is detected as input signal and used to move the masking area.
- c) Claims 11 to 12 and 23 to 24: A method for enhancing an interactive multimedia experience, where a content is presented on a 16:9 widescreen display, the sides of which are masked such that a 4:3 viewing window remains, where a the displayed content is magnified using a fresnel lens.
- d) Claims 25 and 26: A method for enhancing an interactive multimedia experience, where a content is presented on a 16:9 widescreen display, the sides of which are masked such that a 4:3 viewing window remains, where the displayed content can be rotated based on user input using a gyroscopic sensor.

1.2 XP055469680 is considered to represent the closest prior art at hand and discloses:

A method for enhancing an interactive multimedia experience, where a content is presented on a 16:9 widescreen display, the sides of which are masked such that a 4:3 viewing window remains (The first blog post describes a user displaying content in a 4:3 format on a 16:9 widescreen display. The blog post is from supermariobosx.org, therefore implicitly the displayed multimedia content is moved in two directions upon user input.).

Thereby this document is anticipating claims 1 and 2.

1.3 Therefore, the differences between the disclosure of D1 and the multiple inventions can be defined as follows:

The subject matter of claim 3 differs from the closest prior art at hand in that upon user input, display and mask are mechanically moved such that different parts of the display become visible.

The subject matter of claim 9 differs from the closest prior art at hand in that a user's head or eye movement is detected as input signal and used to move the masking area.

The subject matter of claim 11 differs from the closest prior art at hand in that the displayed content is magnified using a fresnel lens.

The subject matter of claim 25 differs from the closest prior art at hand in that the displayed content can be rotated based on user input using a gyroscopic sensor.

1.4 Starting from the subject matter disclosed in D1, the following problems are solved:

Claim 3 solves the problem of mechanically masking a part of the display device.

Claim 9 solves the problem of using head or eye movement as user input.

Claim 11 solves the problem of magnifying the display.

Claim 25 solves the problem of rotating the displayed content.

1.5 The special technical feature (STF) of claim 3 is the mechanic movement of display or mask.

The special technical feature (STF) of claim 9 is the head or eye movement as user input.

The special technical feature (STF) of claim 11 is the fresnel lens.

The special technical feature (STF) of claim 25 is the gyroscopic sensor.

1.6 Since the STF are neither identical nor corresponding (i.e. they cannot function in an equivalent, complementary or cooperative manner with the STF of another invention or are specially adapted to a STF of another invention), there are no same or corresponding special technical features shared by all independent claims of the invention.

1.7 Therefore, the multiple groups of claims are not linked by common or corresponding special technical features and define multiple different inventions not linked by a single general inventive concept.

1.8 The application, hence does not meet the requirements of Unity of Invention as defined in Rules 13.1, 13.2 PCT. Accordingly, the partial search report has been drafted for the first invention (claims 1 to 8, 13 to 20).

1. The present communication is an Annex to the invitation to pay additional fees (Form PCT/ISA/206). It shows the results of the international search established on the parts of the international application which relate to the invention first mentioned in claims Nos.:
- see 'Invitation to pay additional fees'
2. This communication is not the international search report which will be established according to Article 18 and Rule 43.
3. If the applicant does not pay any additional search fees, the information appearing in this communication will be considered as the result of the international search and will be included as such in the international search report.
4. If the applicant pays additional fees, the international search report will contain both the information appearing in this communication and the results of the international search on other parts of the international application for which such fees will have been paid.

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	Anonymous: "[Solved] 4:3 Resolution on Widescreen Help", 30 September 2016 (2016-09-30), XP055469680, Retrieved from the Internet: URL:https://www.supermariobrosx.org/forums/viewtopic.php?t=16754 [retrieved on 2018-04-23] the whole document	1,2,13, 14
A	----- WO 2009/152054 A1 (PEERLESS IND INC [US]; GRABANIA BOGDAN [PL]; SIENKIEL KAMIL [PL]) 17 December 2009 (2009-12-17) paragraph [0002] paragraph [0007] - paragraph [0008] figure 1	3-8, 15-20
A	----- EP 1 180 384 A2 (KONAMI CORP [JP]) 20 February 2002 (2002-02-20) paragraph [0001] - paragraph [0005] -----	1-8, 13-20

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

° Special categories of cited documents :

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier document but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

- "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- "&" document member of the same patent family

# Patent Family Annex

Information on patent family members

International Application No

PCT/HU2018/000002

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
WO 2009152054 A1	17-12-2009	US 2010090077 A1	15-04-2010
		WO 2009152054 A1	17-12-2009
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EP 1180384 A2	20-02-2002	AU 765305 B2	11-09-2003
		CN 1338690 A	06-03-2002
		EP 1180384 A2	20-02-2002
		JP 3561463 B2	02-09-2004
		JP 2002052240 A	19-02-2002
		KR 20020013751 A	21-02-2002
		TW I230622 B	11-04-2005
		US 2002022518 A1	21-02-2002
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Application no:  
Demande n°: PCT/HU2018/000002  
Anmelde-Nr:

#### DISCLAIMER

The attached provisional opinion on the patentability of the first invention searched serves only as information.  
A reply addressing the points raised in the opinion is **not** required and will **not** be taken into account when issuing the final search report and opinion on patentability.

#### AVERTISSEMENT

L'avis provisoire ci-joint sur la brevetabilité de la première invention recherchée ne sert qu'à titre d'information.  
Une réponse abordant les points soulevés dans l'avis n'est **pas** nécessaire et ne sera **pas** prise en compte lors de l'établissement du rapport final de la recherche et de l'avis sur la brevetabilité.

#### DISCLAIMER

Die beigefügte vorläufige Stellungnahme zur Patentierbarkeit der ersten geprüften Erfindung dient lediglich zur Information.  
Eine Antwort auf die erhobenen Punkte in der Stellungnahme ist **nicht** erforderlich und bleibt bei der Erstellung des endgültigen Recherchenberichts und der Stellungnahme zur Patentierbarkeit **unberücksichtigt**.

Reference is made to the following document:

- D1        Anonymous: "[Solved] 4:3 Resolution on Widescreen Help",  
             , 30 September 2016 (2016-09-30), XP055469680,  
             Retrieved from the Internet:  
             URL:<https://www.supermariobrosx.org/forums/viewtopic.php?t=16754>  
             [retrieved on 2018-04-23]

## Re Item IV.

### 1        **Unity of Invention - Rule 13 PCT**

- 1.1       This International Searching Authority found multiple groups of inventions in this international application, as follows:
- a) Claims 1 to 8, 13 to 20: A method for enhancing an interactive multimedia experience, where a content is presented on a 16:9 widescreen display, the sides of which are masked such that a 4:3 viewing window remains, where upon user input, display and mask are mechanically moved such that different parts of the display become visible.
  - b) Claims 9 to 10 and 21 to 22: A method for enhancing an interactive multimedia experience, where a content is presented on a 16:9 widescreen display, the sides of which are masked such that a 4:3 viewing window remains, where a user's head or eye movement is detected as input signal and used to move the masking area.
  - c) Claims 11 to 12 and 23 to 24: A method for enhancing an interactive multimedia experience, where a content is presented on a 16:9 widescreen display, the sides of which are masked such that a 4:3 viewing window remains, where a the displayed content is magnified using a fresnel lens.
  - d) Claims 25 and 26: A method for enhancing an interactive multimedia experience, where a content is presented on a 16:9 widescreen display, the sides of which are masked such that a 4:3 viewing window remains, where the displayed content can be rotated based on user input using a gyroscopic sensor.
- 1.2       XP055469680 is considered to represent the closest prior art at hand and discloses:  
             A method for enhancing an interactive multimedia experience, where a content is presented on a 16:9 widescreen display, the sides of which are

masked such that a 4:3 viewing window remains (The first blog post describes a user displaying content in a 4:3 format on a 16:9 widescreen display. The blog post is from supermariobosx.org, therefore implicitly the displayed multimedia content is moved in two directions upon user input.). Thereby this document is anticipating claims 1 and 2.

- 1.3 Therefore, the differences between the disclosure of D1 and the multiple inventions can be defined as follows:

The subject matter of claim 3 differs from the closest prior art at hand in that upon user input, display and mask are mechanically moved such that different parts of the display become visible.

The subject matter of claim 9 differs from the closest prior art at hand in that a user's head or eye movement is detected as input signal and used to move the masking area.

The subject matter of claim 11 differs from the closest prior art at hand in that the displayed content is magnified using a fresnel lens.

The subject matter of claim 25 differs from the closest prior art at hand in that the displayed content can be rotated based on user input using a gyroscopic sensor.

- 1.4 Starting from the subject matter disclosed in D1, the following problems are solved:

Claim 3 solves the problem of mechanically masking a part of the display device.

Claim 9 solves the problem of using head or eye movement as user input.

Claim 11 solves the problem of magnifying the display.

Claim 25 solves the problem of rotating the displayed content.

- 1.5 The special technical feature (STF) of claim 3 is the mechanic movement of display or mask.

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The special technical feature (STF) of claim 11 is the fresnel lens.



The special technical feature (STF) of claim 25 is the gyroscopic sensor.

- 1.6 Since the STF are neither identical nor corresponding (i.e. they cannot function in an equivalent, complementary or cooperative manner with the STF of another invention or are specially adapted to a STF of another invention), there are no same or corresponding special technical features shared by all independent claims of the invention.
- 1.7 Therefore, the multiple groups of claims are not linked by common or corresponding special technical features and define multiple different inventions not linked by a single general inventive concept.
- 1.8 The application, hence does not meet the requirements of Unity of Invention as defined in Rules 13.1, 13.2 PCT. Accordingly, the partial search report has been drafted for the first invention (claims 1 to 8, 13 to 20).

## Re Item V:

### 2 **Novelty**

#### 2.1 **Independent Claim 1**

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. Document D1 discloses (the references in parentheses applying to this document):

A method for enhancing a multimedia experience (The blog posts are from supermariobrosx.org, which is a forum for discussing a video game which is also a multimedia experience.), wherein at least one multimedia content is stored in a storage, a selected content of the stored multimedia content is presented on the display, and during presentation, the display is influenced by user input where the influence affects the positioning of the displayed multimedia content on the display (implicit), characterized in that the multimedia content is displayed on a wide screen display, which is masked by a narrowing mask, while the display or displayed content is moved along a coordinate in two possible directions by user inputs in one or another direction. (The first blog post describes a user displaying content in a 4:3 format on a 16:9 widescreen display. The blog post is from supermariobosx.org, therefore implicitly the displayed multimedia content is moved in two directions upon user input.)

## 2.2 **Independent Claim 13**

The same objections as for claim 1 apply mutatis mutandis also for **claim 13** (see passages cited for claim 1).

The subject matter of independent claim 13 is therefore not new (Article 33(2) PCT).

## 2.3 **Dependent Claims 2, 14**

Document D1 also discloses the additional feature of dependent claims 2, 14 (the first blog post explicitly talks about displaying 4:3 content on a widescreen display which typically has an aspect ratio of 16:9).

The subject matter of dependent claims 2, 14 is therefore not new (Article 33(2) PCT).

## 2.4 **Dependent claims 3 to 8 and 15 to 20**

While movable displays are known from the prior art, see for example document D1 (paragraph 7), a mechanical movement of display or mask in this context is not known from the prior art. Therefore dependent claims 3 and 15 and all claims dependent on these claims are novel over the prior art. In view of the examiner, a mechanical movement of mask or display would not be obvious to the skilled person and therefore involve an inventive step.