

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Harald Philipp	02/05/2008
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State/Country:	UNITED KINGDOM
Postal Code:	SO50 9AL
PROPERTY NUMBERS Total: 6	
Property Type	Number
Application Number:	12830163
Application Number:	13043231
Application Number:	13286153
Application Number:	13495158
Patent Number:	7952367
Patent Number:	8049738
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NAME OF SUBMITTER:	Michelle L. Wyss
Signature:	/mlw/
Date:	04/22/2013
Total Attachments: 5 source=Assignmt_HPhilipp-QRG2008#page1.tif source=Assignmt_HPhilipp-QRG2008#page2.tif source=Assignmt_HPhilipp-QRG2008#page3.tif source=Assignmt_HPhilipp-QRG2008#page4.tif source=Assignmt_HPhilipp-QRG2008#page5.tif	

ASSIGNMENT OF PATENTS

THIS PATENT ASSIGNMENT (this "Assignment") is effective as of this 5 day of FEBRUARY 2008 ("Effective Date") from Mr. Harald Philipp, an individual residing at 1 Park Dale, Grange Rath, Drogheda, Co. Meath, Ireland ("Assignor") to QRG Limited, a limited company incorporated in England and Wales with a registered office at 10 Romsey Road, Eastleigh, Hampshire SO50 9AL with registered number 3540505 ("Assignee"). (Each a "Party," and together, the "Parties.")

WHEREAS, the Parties are parties to that certain Philipp IP Transfer Agreement dated as of 5 FEBRUARY 2008 (the "Agreement"), pursuant to which Assignor has conveyed its entire ownership interest in the patents set out at Schedule A and any further patents and applications issuing from or claiming priority to such patents (the "Patents"), to Assignee.

NOW, THEREFORE, in exchange for one pound sterling (£1) as good and valuable consideration, the receipt of which is hereby acknowledged by Assignor;

Assignor, by these presents, does hereby confirm that he has pursuant to the terms of the Agreement sold, assigned, transferred and set over unto the Assignee its successors, legal representatives, assigns and nominees forever, without any restrictions, reservations or limitations, Assignor's entire ownership interest in and to the Patents, including all rights to prosecute and obtain Patents in any jurisdiction and the right to sue for and recover damages for the infringement of the Patents. Assignee, by these presents, does hereby confirm that it has accepted and does accept the assignment.

This Assignment is effective as of the Effective Date.

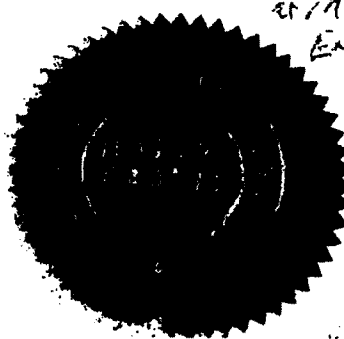
IN WITNESS WHEREOF, the undersigned have caused this Assignment to be duly executed as a Deed and delivered as of the date above first written.

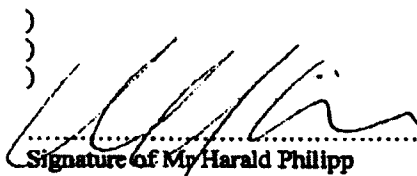
EXECUTED as a DEED
by MR HARALD PHILIPP
in the presence of:-

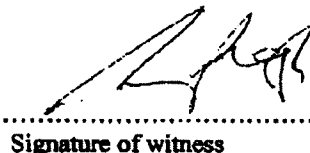
NIGEL MAURICE PUGH
Name: 39/49 COMMERCIAL ROAD
SOUTH HAMPTON ENGLAND
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Address: 21

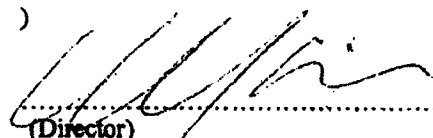
Mitchell Point
Ensign Way
Hampshire
SO31 4RF
on 5 February 2008

EXECUTED as a DEED by QRG LIMITED
acting by:- Notarised before me


at Mitchell Point
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Hampshire
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on 5 February 2008
United Kingdom

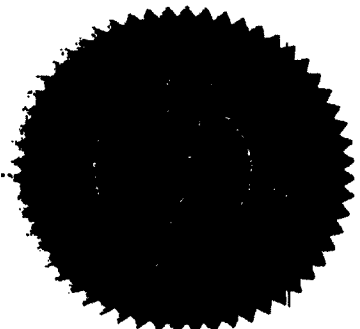

Signature of Mr Harald Philipp


Signature of witness


(Director)


(Director/Company Secretary)

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PATENT
REEL: 021791 FRAME: 0042

PATENT
REEL: 030258 FRAME: 0141

SCHEDULE A

PHILIPP IPR

	Patent	Description	Granted	Pending
1	QProx™	Basic Charge Transfer circuit with floating switch	GB 2,337,124 DE 19681725.0	DE 19655368.7
2	QTouch™	Basic Charge Transfer circuit with non-floating switches, using 2 pins of a CMOS chip	US 6,466,036 EP 1,131,641 DE 29924441.5	JP 2000-584316
3	QMatrix™	Basic QMatrix patent using driven scan lines to a matrix of keys, and receive lines from the keys, to charge sampling capacitors	US 6,452,514	EP 1,153,404 JP 2000-595360
4	AKS™	Adjacent Key Suppression technology	US 6,993,607 EP 1,381,160 US 7,256,714	
5	QSlide™	Basic touch-slider patent using 2 QTouch™ sensing channels	US 7,148,704	EP 1,556,669 JP 2004-547798 TW 92130588 KR 10-2005-7007202 CN 200380102390.3
6	Anisotropic Touch Screen Element	Touch screen element driven by four or more QTouch sensing channels (QT701)		US 10/916,759 US 11/422,799 EP 1,656,608 JP 2006-523671 TW 93124578 KR 10-2006-7003559
7	QWheel™	Basic touch-wheel patent using 3 QTouch sensing channels	GB 2,418,493 DE 21 2004 000 044	TW 93124721 US 10/916,744
8	Hob Controls	Touch control system for controlling an appliance	DE 20 2004 020 820 DE 20 2004 021 345.1 DE 20 2004 020 673.5	US 10/956,214 (abandoned) US 11/163,944
9	Philipp Spring™	Special spring design for interfacing to a control panel to create a touch key		US 11/056,781 KR 10-2005-0009985
10	Blender Panel	Touch Sensitive Control Panel for a Blender	DE 20 2005 007 480 ES 200501056 US 7,295,190	CN 1738204A
11	Scroll Wheel Plus Buttons	Control Panel	US 7,279,647	
12	Single layer ITO Touch screen	Pattern design on ITO (QT800)	DE 20 2006 010 488 GB 2428306 (application number GB0612957.1)	US 11/428,670 KR 10-2006-0063910 JP 2006-187791 TW 95124551 DE 10 2006 031 376.3

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PATENT
REEL: 030258 FRAME: 0142

Patent	Description	Granted	Pending
			FI 20060663 IT MI2006A 001329 CN 200610143149.0
13 Matrix Screen	Touch Sensitive Screen - 2 layers	GB 2435998 (application number GB 0618041.8) DE 20 2006 014 244	US 11/532,560 DE 10 2006 043 665.2 KR 10-2006-0091022 JP 2006-254554
14 Headset	Headset Power Management	DE 20 2006 014 943	US 11/333,489 — US 11/536,583 — GB 0618960.9 DE 10 2006 046113.4 JP 2006-269534 KR 10-20060097156 TW 95136467 CN 200610063936.4
15 Non-locking AKS™	Adjacent Key Suppression™ development	DE 20 2006 019926.8	US 11/279,402 — PCT/GB06/002275 TW 95123644
16 Britton Spring	Spring Contact for touch screens	DE 20 2007 006 266.4	GB 0608605.2 US 11/737,934 KR 10-2007-0042550 JP 2007-120508 DE 10 2007020592.0
17 Aniso Hybrid	Hybrid Capacitive Touch Screen. Triangles (QT702)	DE 20 2007 005 237.5	US 11/734,813 — JP 2007-115558 KR 10-2007-0040296
18 Slider Triangle	Pattern design on ITO. Triangles + bars (QT702)	DE 20 2007 006 407.1	US 11,743,349 — GB 0708359.5 KR 10-2007-0043513 JP 2007-122803 TW 96115411 DE 10 2007 021 029.0
19 Position dependant AKS™	Use of AKS™ technique based on position of keys	DE 20 2007 007 456.5	US 11/750,430 — GB 0709905.4 JP 2007-138106 KR 10-2007-0050828 DE 10 2007 024 455.1
20 Dual Taper Electrodes	Touch Screen design (QT 801)	DE 20 2007 007 345.3	GB 0610770.0 DE 10 2007 023 853.5 JP 2007-142786 TW 96118385 KR 10-2007-0053232 CN 200710108809.6 US 2006/0279395 (was patent

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PATENT
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PATENT
REEL: 030258 FRAME: 0143

Patent	Description	Granted	Pending application US 11/752,615). Published on 6 December 2007.
21	Navigational Scroller/ Touchpad	Scroll device with virtual buttons	US 11/765,393 — GB 0612200.6 (abandoned) PCT/IB2007/002774 US 11/750,588 PCT/IB2007/002534
22	Combination Key	Use of CKS™ technique on a keypad	US 11/750,588 PCT/IB2007/002534
23	Wheel Sensor/ Temperature Wheel	Capacitive Position Sensor operable in different modes to select specific parameter values	US 11/868,566 — GB 0719727.0 JP 2007-273759 DE 102007049559.7
24	Screen Module	Removable Touch Screen Element	US 11/868,563 — GB 0719726.2 KR 10-2007-0105072 JP 2007-272439 DE 102007049558.9 DE UM 202007014467.9
25	Tilt Wheel	Sensor with pressure-sensitive switch	US 60/889,726
26	1-layer ITO Touch Screen	XXY Touch Screen (driven by QMatrix sensing)	US 60/916,316
27	1-layer ITO Touch Screen	Touch Screen design used in QT604 (driven by QMatrix sensing)	US 60/910,441
28	1-layer Multi-Touch Screen	Mutli-touch Touch Screen – Qtwo	US 60/949,376
29	Touch Pad/ xy Scroller	2 x 2 TouchPad / xy Cartesian scroller – Qnav (driven by QMatrix sensing)	US 60/951,727 GB 0714518.8
30	Sensor with Auto-Off	Sensor with auto-off function used in QT102	US 60/952,053
31	Sensor with noise Synch	Sensor with LCD screen and noise synch	US 60/953,096
32	1-layer Touch Screen	Touch screen based on CNTs and PEDOT	US 60/955,305
33	1-layer Touch Screen	Noise cancelling electrode configuration (driven by QMatrix sensing)	US 60/968,069
34	ITO Tester	Apparatus for testing conductive films	US 60/984,091
35	Hammer	Electronic Stud Locating Hammer	US 6,188,228
36	Smart Card	Capacitive coupled identity system	US 5,682,032
37	Capacitive Touch Screen - abandoned	Touch screen detection apparatus, system and method	EP 1,335,318 AT300064T DE60301020D DE60301020T US2003132922
38	Occupancy sensor - abandoned	Capacitive occupancy sensor	WO 01/14171 AU6711400
39	Temperature	Miniature reference point cell for	DE 10041731

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PATENT
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PATENT
REEL: 030258 FRAME: 0144

Patent	Description	Granted	Pending
Sensor - abandoned	temperature sensor in-situ calibration uses coaxial inner and outer crucibles of different ceramic materials		
40 Level Sensing - abandoned	Level sensor for sensing the level of a flowable material, the sensor comprising means for measuring capacitance, in particular an improvement on the detection of two levels of fluid.	US 6,457,355	
41 Closure Sensor - abandoned	Capacitive closure sensor	WO 01/14676	

DESIGN PATENTS

Design	Title	Further Description
US 29/247,564 (issued as US D560227)	Media Player	Front panel with Touch Screen.
US 29/276,620 (issued as D559862)	Media Player	Front panel with Touch Screen & fixed key arrangement.
US 29/276,533 (claims priority from US 29/247,564)	Telephone Handset	Front panel with Touch Screen