


**RED CHALK**  
GROUP

**CALLER ID**  
**SALE OFFERING**

  <b>CALLER ID</b>	<b>Assignee &amp; Owner:</b> Google LLC
	<b>11 Patent Families:</b> <ul style="list-style-type: none"><li>• 18 US Grants</li><li>• 15 Foreign Filings</li></ul>
	<b>Featured Patents:</b>  <u>US 6,813,344</u> <u>US 8,494,575</u>
	<b>US Claims</b> – 311 (48 independent, 263 dependent)

**Disclaimer and notice:**

The enclosed material supports an offer for sale of the described patent and/or application portfolio. The information contained in this document is provided in confidence exclusively for the purpose of supporting an independent valuation of the portfolio. Any supporting discussion of the use or potential use of the portfolio is for illustrative purposes only. This material and any other information exchanged during the sale process – in any form – are not, nor are intended to be, nor should be construed as being notice of infringement, any type of accusation of infringement, or an opinion regarding the actual use of the portfolio. The information in this package is provided as-is and is not legal advice or legal opinion.

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## OVERVIEW

### Portfolio

Red Chalk is brokering a Google patent portfolio that includes eleven (11) families related to Caller ID. Subject matter includes, but is not limited to, a system of querying a local database for caller ID. Google reserves the right to offer the portfolio to other parties, modify the portfolio, or remove patents from the portfolio at any time.

### Timing & Bids

Bids will be accepted immediately. As bids are received, Red Chalk Group will advance discussions with interested parties and facilitate negotiations. Google reserves the right to accept or reject any offer at any time. This presentation does not create any legally binding obligations or liabilities. Google and all potential buyers have the right to modify offers or withdraw from participation in this process without cause of liability at any time.

### Pricing

A price range has been established and will be disclosed to potential buyers upon request. Any sale would be subject to the terms and conditions set forth in a separate, written Agreement between Google and buyer. Each party will bear its own expenses, including with respect to diligence and any negotiations.

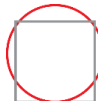
### Due Diligence & Legal Disclaimer

Red Chalk has prepared this report to facilitate potential buyers' understanding of the offered patents. Although it is believed the information found in this report is accurate, potential buyers are responsible for conducting their own market analysis and legal due diligence on the offered patents. Red Chalk and Google make no statement regarding whether any particular product or service requires a license to the patents presented and cannot provide legal advice. Potential buyers must contact and consult with their own legal representative.

All information regarding interested parties will remain confidential. Information regarding encumbrances will only be disclosed to qualified bidders under a confidentiality agreement. Maintenance of title will be done through contract negotiations until closing. Google will require a grant-back license.

### Contact Information

Designated contacts for inquiries regarding this portfolio are:

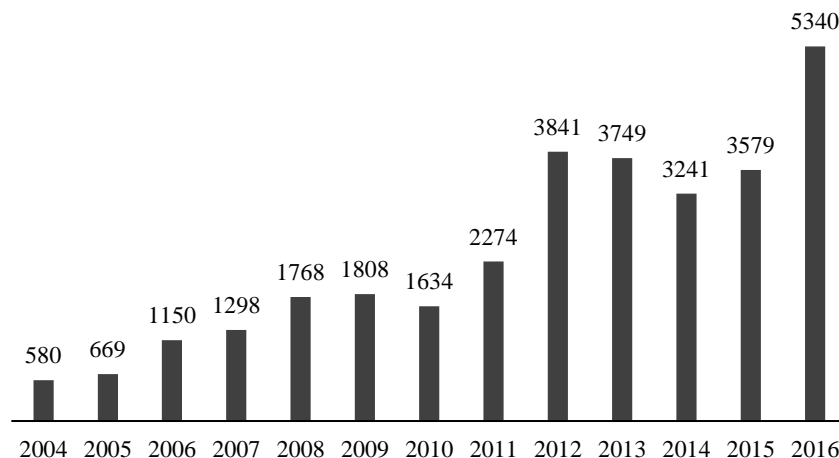
 <b>RED CHALK</b> GROUP  1 North Wacker Dr. Suite 3601 Chicago, IL 60606 Fax: (847) 390-0707	<b>Leah Christoforidis</b> <a href="mailto:leah@redchalk.com">leah@redchalk.com</a> Office: (847) 390-0703
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## EXECUTIVE SUMMARY

The Google Caller ID portfolio contains eleven (11) patent families that relate to technologies such as a system of querying a local database for caller ID. Smartphones have become ubiquitous in today’s world, 72% of US citizens and 43% of the world own them.<sup>1</sup> Growth in smartphone adoption comes with an increase in notifications, calls, and messaging.

Patents in this portfolio relate to clearly notifying the user of who is calling, e.g., caller ID. One patent describes a user storing a contact’s information in their cell phone so that the user will know who future calls are from. Many people will not pick up the phone unless they know who is calling them, so having caller ID is a must. Complaints to the U.S. National Do Not Call Registry have steadily increased in the past twelve years, showing consumers are growing increasingly frustrated with spam callers and numbers they do not recognize.<sup>2</sup> This patent also describes the ability to search partial phone numbers and at least identify what geographic area code the call is originating from.

Sometimes a user does not want notifications on at all, requiring the user to either turn their phone off or place it in silent mode. Both options leave the user susceptible to missing important messages. One of the patents in this portfolio describes a user interface where the user can place their device in silent mode, but whitelist certain contacts or applications to alert them. This ensures that the user does not miss their most important messages, but filters all the unprioritized information. Also, the interface can show the user all the filtered information that they did not receive while the device was in silent mode.



**Figure 1** – Number of complaints to the U.S. National Do Not Call Registry from FY 2004 to FY 2016 (in thousands)<sup>2</sup>

The patents in this portfolio broadly covers Caller ID targeted at both the business professional and the mass-market consumer. As relevant as this portfolio of patents is today, the advances in these technologies will ensure that they will only gain in market relevancy.

<sup>1</sup> <http://www.businessinsider.com/how-many-people-own-smartphones-around-the-world-2016-2>

<sup>2</sup> <https://www.statista.com/statistics/736299/number-of-complaints-to-the-united-states-do-not-call-registry/>

## PORTFOLIO SUMMARY – CALLER ID

<b>Featured Patents – Caller ID</b>				
<b>Family Number</b>	<b>Patent Number</b>	<b>Title</b>	<b>Citing Patents</b>	<b>Priority Date</b>
1	<u>US6813344B1</u>	Method and system for providing information for identifying callers based on a partial number	137	2001-08-29
2	<u>US8494575B2</u>	Methods and communication devices configurable for silence mode and exceptions to the silence mode	0	2009-12-23

<b>Additional Patents – Caller ID</b>				
<b>Family Number</b>	<b>Patent Number</b>	<b>Title</b>	<b>Citing Patents</b>	<b>Priority Date</b>
1	<u>US7200211B1</u>	Method and system for providing information for identifying callers based on a partial number	19	2001-08-29
1	<u>US7852996B2</u>	Method and system for providing information for identifying callers based on a partial number	6	2001-08-29
1	<u>US8406397B1</u>	Method and system for providing information for identifying callers based on a partial number	2	2001-08-29
1	<u>US8644472B1</u>	Method and system for providing information for identifying callers based on a partial number	1	2009-12-23
1	<u>US9008291B1</u>	Method and system for providing information for identifying callers based on a partial number	0	2009-12-23
2	<u>CN102668527B</u>	Methods and communication devices configurable for silence mode and exceptions to the silence mode	0	2001-08-29
2	<u>KR1373909B1</u>	Methods and communication devices configurable for silence mode and exceptions to the silence mode	0	2001-08-29
3	<u>US7103391B2</u>	Method and system for playing an audible alert	15	2004-10-07
3	<u>CN101036307B</u>	Method and system for playing an audible alert	0	2004-10-07
4	<u>US6094565A</u>	Closeable communication device and method of operating the same	114	1997-06-30

<b>Additional Patents – Caller ID</b>				
<b>Family Number</b>	<b>Patent Number</b>	<b>Title</b>	<b>Citing Patents</b>	<b>Priority Date</b>
4	<u>BRPI9802300-4</u>	Closeable communication device and method of operating the same	0	1997-06-30
4	<u>MX215391</u>	Closeable communication device and method of operating the same	0	1997-06-30
5	<u>US6992658B2</u>	Method and apparatus for navigation, text input and phone dialing	39	1999-05-24
6	<u>US7500198B2</u>	Method and apparatus for modifying skin and theme screens on a communication product	49	2003-04-25
7	<u>CN101048945B</u>	Progressive alert indications in a communication device	0	2004-10-26
7	<u>DE112005002647B4</u>	Progressive alert indications in a communication device	0	2004-10-26
7	<u>GB2435762B</u>	Progressive alert indications in a communication device	0	2004-10-26
7	<u>KR964810B1</u>	Progressive alert indications in a communication device	0	2004-10-26
7	<u>US7136482B2</u>	Progressive alert indications in a communication device	26	2004-10-26
8	<u>KR927320B1</u>	Method and apparatus to facilitate alternative modes of operation for a portable communication device	0	2005-02-22
8	<u>RU2387090C2</u>	Method and apparatus to facilitate alternative modes of operation for a portable communication device	0	2005-02-22
8	<u>US7522915B2</u>	Method and apparatus to facilitate alternative modes of operation for a portable communication device	0	2005-02-22
8	<u>BRPI06068545</u>	Method and apparatus to facilitate alternative modes of operation for a portable communication device	0	2005-02-22
9	<u>US7548747B2</u>	Configurable and pushable carrier communications with rich content	11	2005-03-18
9	<u>US8160561B2</u>	Configurable and pushable carrier communications with rich content	0	2005-03-18
9	<u>CA2539916</u>	Configurable and pushable carrier communications with rich content	0	2005-03-18
9	<u>DE602005012796.8</u>	Configurable and pushable carrier communications with rich content	0	2005-03-18

<b>Additional Patents – Caller ID</b>				
<b>Family Number</b>	<b>Patent Number</b>	<b>Title</b>	<b>Citing Patents</b>	<b>Priority Date</b>
9	<u>EP1703750</u>	Configurable and pushable carrier communications with rich content	0	2005-03-18
10	<u>US8805347B2</u>	Caller identification for missed calls	4	2011-06-28
10	<u>US9191500B2</u>	Caller identification for missed calls	0	2011-06-28
11	<u>US9268137B2</u>	Means for dynamically regulating the time-out characteristics of a display of an electronic device	0	2013-06-11

# FEATURED PATENTS – FAMILY 1

**US 6,813,344** – Method and system for providing information for identifying callers based on a partial number

**Priority Date:** 08/29/2001

**Description:** It has become common practice for cell phone owners to not answer incoming calls if they do not recognize the number, or if a correlating name is not displayed with the call. This raises the importance of caller ID, where the user can clearly tell who they are receiving a call from. This patent describes a system where a user can store a number in their contacts on their phone, with the phone able to run a search query on local memory and provide the name of the caller when receiving a call. The user can then clearly tell who is calling them and best decide how to act. If there is only a partial number, the phone can still check the database and tell the user whether the caller is from a certain location or business based on area codes and other partial numbers.

## Representative Claim:

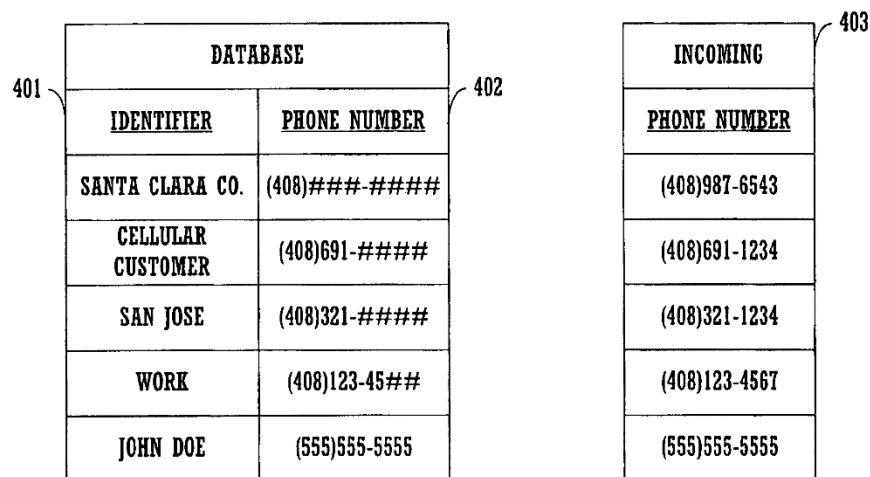
1. A caller identification system comprising:

a caller identification logic unit coupled to a telephone network, wherein said caller identification logic unit determines the caller identification of an incoming telephone call;

a local memory for storing a database comprising at least one partial phone number and a corresponding identification wherein said database is user customizable to store a unique partial phone number;

a processor for determining if said caller identification of said incoming telephone call matches at least one partial phone number in said database and for retrieving its associated identification.

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## FEATURED PATENTS – FAMILY 2

**US 8,494,575** – Methods and communication devices configurable for silence mode and exceptions to the silence mode

**Priority Date:** 12/23/2009

**Description:** Mobile communications devices are used for many different purposes including, but not limited to voice communications, text messaging, internet browsing, banking, and social networking. Most of these applications deliver notifications, which can be very disruptive to the user. The user may miss important notifications if they are to turn off their phone or place it in silent mode. This patent describes a user interface where the user can place the communication device in silent mode, while making exceptions to certain contacts. For example, if the user wishes to know when a particular contact has sent an email to the user, they can configure the device to provide an alert. The patent also claims that the user interface can show all data that was received since being put in silence mode, so the user won't miss any messages.

### Representative Claim:

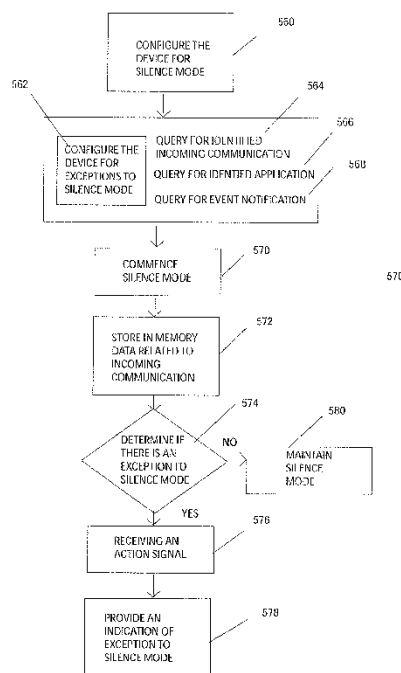
1. A communication device, comprising:

a user interface configured receive input to place the device in silence mode and to make exceptions to the silence mode;

a receiver to receive incoming communications;

a memory to store data related to the incoming communications;

a processor to generate an action signal to provide an indication whether there is data stored related to incoming communications since a silence mode commenced;



## Appendix – Preliminary Offer Form

### Preliminary Offer – Google LLC

The undersigned Offering Company submits the following offer for the Google patent portfolio as described in the marketing document. The undersigned Offering Company understands and agrees that Red Chalk Group LLC makes no representation or warranties as to the described patent families. **All offers will be considered.** The highest offers will be given the chance to refine their offers in a second round of bidding, if necessary. Google reserves the right to accept any offer at any time.

### Name and address of offering company:

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Offer amount in U.S. Dollars (written amount)

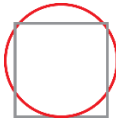
\$ \_\_\_\_\_

Signature: \_\_\_\_\_

Title: \_\_\_\_\_

Date: \_\_\_\_\_

Please mail, email, or fax completed offer forms to:

 <b>RED CHALK</b> GROUP  1 North Wacker Dr. Suite 3601 Chicago, IL 60606 Fax: (847) 390-0707	<b>Leah Christoforidis</b> <a href="mailto:leah@redchalk.com">leah@redchalk.com</a> Office: (847) 390-0703
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