



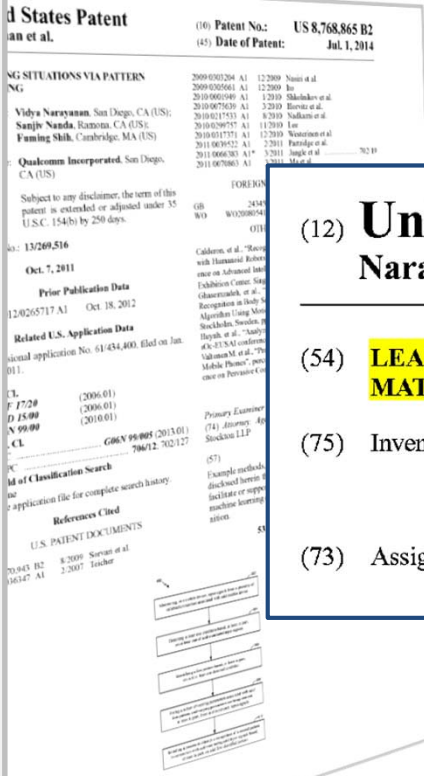
Patent Owner's Hearing Demonstratives

IPR2018-01281, -1282

U.S. Patent No. 8,768,865

October 30, 2019

ns	Term	Wang	Louch
46	“Identifying a first pattern ...”	Not Disclosed	
46	“Fixing ... by associating ...” under any construction	Not Disclosed	
46	“Fixing ... by associating ...” under PO’s construction	Not Disclosed	Not Disclosed
27	“initiat[ing] a process to attempt a recognition of a second pattern ... based, at least in part, on said first identified pattern		Not Disclosed
3	“said second pattern is [recognizing in] / [associated with] a reduced set of varying parameters [in response] / [due], at least in part, to said fixing”	Not Disclosed	Not Disclosed
48	“captur[ing] a snapshot ... in response to said detection of said at least one condition”		Not Disclosed



<p>(12) United States Patent Narayanan et al.</p>	<p>(10) Patent No.: US 8,768,865 B2 (45) Date of Patent: Jul. 1, 2014</p>																																								
<p>(54) LEARNING SITUATIONS VIA PATTERN MATCHING</p>	<table border="0"> <tr> <td>2009/0303204</td> <td>A1</td> <td>12/2009</td> <td>Nasiri et al.</td> </tr> <tr> <td>2009/0305661</td> <td>A1</td> <td>12/2009</td> <td>Ito</td> </tr> <tr> <td>2010/0001949</td> <td>A1</td> <td>1/2010</td> <td>Shkolnikov et al.</td> </tr> <tr> <td>2010/0075639</td> <td>A1</td> <td>3/2010</td> <td>Horvitz et al.</td> </tr> <tr> <td>2010/0217533</td> <td>A1</td> <td>8/2010</td> <td>Nadkarni et al.</td> </tr> <tr> <td>2010/0299757</td> <td>A1</td> <td>11/2010</td> <td>Lee</td> </tr> <tr> <td>2010/0317371</td> <td>A1</td> <td>12/2010</td> <td>Westerinen et al.</td> </tr> <tr> <td>2011/0039522</td> <td>A1</td> <td>2/2011</td> <td>Partridge et al.</td> </tr> <tr> <td>2011/0066383</td> <td>A1*</td> <td>3/2011</td> <td>Jangle et al. 702/19</td> </tr> <tr> <td>2011/0070863</td> <td>A1</td> <td>3/2011</td> <td>Ma et al.</td> </tr> </table>	2009/0303204	A1	12/2009	Nasiri et al.	2009/0305661	A1	12/2009	Ito	2010/0001949	A1	1/2010	Shkolnikov et al.	2010/0075639	A1	3/2010	Horvitz et al.	2010/0217533	A1	8/2010	Nadkarni et al.	2010/0299757	A1	11/2010	Lee	2010/0317371	A1	12/2010	Westerinen et al.	2011/0039522	A1	2/2011	Partridge et al.	2011/0066383	A1*	3/2011	Jangle et al. 702/19	2011/0070863	A1	3/2011	Ma et al.
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<p>(75) Inventors: Vidya Narayanan, San Diego, CA (US); Sanjiv Nanda, Ramona, CA (US); Fuming Shih, Cambridge, MA (US)</p>																																									
<p>(73) Assignee: Qualcomm Incorporated, San Diego, CA (US)</p>																																									

'865 Patent (-1281, Ex. 1001) at 1*

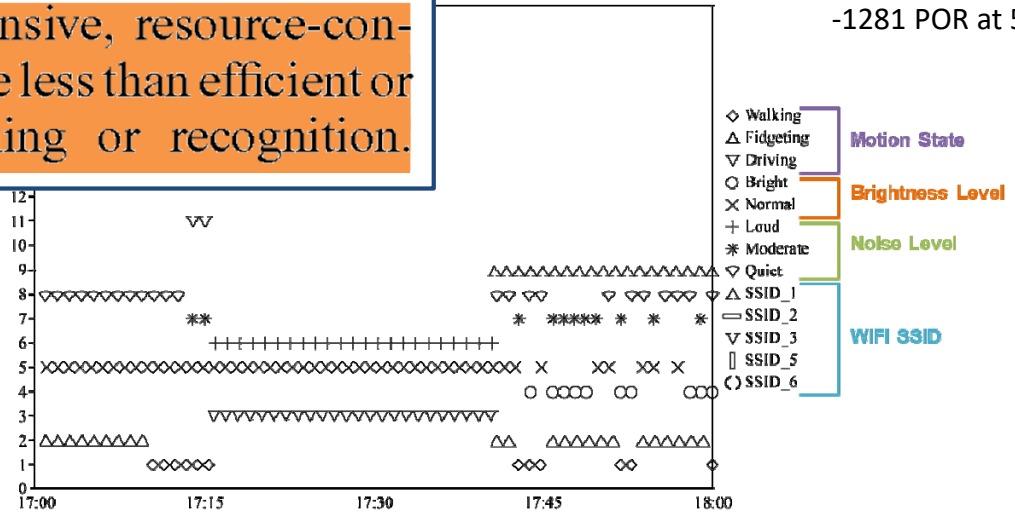
*Except for slides specific to the Wang reference, all citations herein to -1281 have parallel content in the -1282 proceeding

The '865 Patent addresses a data and processing overload problem

As alluded to previously, continually tracking or monitoring all or most varying parameters or variables that may be associated with a multi-dimensional stream of sensor information may be a computationally intensive, resource-consuming, at times intractable, or otherwise less than efficient or effective approach for pattern matching or recognition.

... at 7:58-63 (cited in -1281 POR at 8);
... Ex. 2004 at ¶ 20 (cited in -1281 POR at 4)

'865 Patent at Figure 2 (annotated) (cited in -1281 POR at 5)



First Stage

1. A method comprising:
monitoring, at a mobile device, input signals from a plurality of information sources associated with said mobile device;
detecting at least one condition based, at least in part, on at least one of said monitored input signals;

Link Condition and First Pattern

identifying a first pattern based, at least in part, on said at least one detected condition; and

Set Scope of Analysis for Second Stage

fixing a subset of varying parameters associated with said first pattern by associating at least one parameter of said subset of varying parameters with said first pattern to represent said at least one detected condition, said varying parameters derived, at least in part, from said monitored input signals.

'865 Patent at Claim 1 (cited in -1281 POR at 14)

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