Presentation of Petitioner
Google Inc.

IPR2015-00343, IPR2015-00345, IPR2015-347, IPR2015-348

U.S. Patent Nos. *8,010,988 (Ex. 1022)*
8,205,237 (Ex. 1021)
8,640,179 (Ex. 1022)
8,656,441 (Ex. 1022)

Presented by:

Overview

- Only three references are at issue:

Reference	Non-exhaustive search	Identifying a neighbor	Determining an action	Sub sea
Ghias (Ex. 1010)	X	X	X	
Iwamura (Ex. 1012)	X	X		
Conwell (Ex. 1009)	X	X		

Overview

• Dr. Karypis agrees that the concepts of non-exhaustive se
and neighbor search were known at the time of filing

4 Q. He does not. So as of 2000, when 5 Dr. Cox' patent applications were filed, 6 non-exhaustive searching was a concept known 7 in the art, correct? 8 A. Correct.	Karypis Tr. (Ex. 1020) at 26:4-8

24 Q. Dr. Cox doesn't purport to have 25 invented neighbor searching in his patents, 1 does he? 2 A. I don't believe so. 3 Q. And in fact it was a concept well 4 known to people skilled in the art in and 5 before 2000? 6 A. That is true.	Karypis Tr. (Ex. 1020) at 78:24-79

Ghias – Overview
Ex. 1010

- The parties' dispute with respect to Ghias is confined to t[...] limitations:

1. Non-exhaustive search
2. Identifying a neighbor
3. Determining an action

Ghias
Ghias Discloses A Second Search

- The subsequent searches do not consider all references

'988 Google's Reply (Paper 20) a

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