

UNITED STATES PATENT AND TRADEMARK OFFICE

BEFORE THE PATENT TRIAL AND APPEAL BOARD

MICROSOFT CORPORATION, SAMSUNG ELECTRONICS CO. LTD.,
SAMSUNG ELECTRONICS AMERICA, INC., AND ZTE (USA), INC.
Petitioners,

v.

IXI IP, LLC
Patent Owner.

IPR2017-00898

U.S. Patent No. 7,552,124

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Application No.: 10/872,289

Filed: June 17, 2004

Title: Natural Language For Programming A Specialized Computing System

**PETITION FOR *INTER PARTES* REVIEW
OF U.S. PATENT NO. 7,552,124**

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a. “A [method/system] for programming a mobile communication device based on a	

- high-level code comprising operative language, the [method/system] comprising:”13
- b. “[means for] receiving a high-level code comprising one or more keywords, wherein the high-level code is provided by a user of a mobile communication device to control the operation of the mobile communication device without having to select from menu items provided by an operating system running on the mobile communication device;”16
- c. “[means for] parsing the high-level code for the keywords to recognize the operative language associated with controlling one or more operations of the mobile communication device;”17
- d. “[means for] determining at least one operation associated with the operative language;” ...19
- e. “[means for] determining whether high-level code comprises keywords defining one or more relationships and conditions corresponding to the operative language;”21
- f. “[means for] producing an executable code that can be executed by a microcontroller of the mobile communication device to perform the respective operation associated with the operative language;” ...26
- g. “[means for] determining level of complexity and implementation of the high-level code;”30
- h. “[means for] [designating / designation] an application software to process the high level code,” 34
- i. “wherein the high-level code comprises at least one sentence formatted in accordance with a first context,”36
- j. “wherein the high-level code is processed by a natural language compiler comprised of one or more modules executed on one or more independent computing systems,

	depending on the level of complexity and the implementation of the high-level code,”37
k.	“wherein application software is executed on a distributed environment comprising the mobile communication device and a network server connected to the mobile communication device, and the application software performs the parsing and determining steps depending on implementation, and”40
l.	“wherein when the high-level code comprises [a/an] complex structure the parsing and determining steps are performed by application software executed on a network server connected to the mobile communication device and when the high-level code comprises a less complex structure the parsing and determining steps are performed by application software executed on the mobile communication device.”42
2.	Claims 2/7: “The [method of claim 1/ system of claim 6], wherein said at least one sentence comprises one or more keywords.”44
3.	Claims 3/8: “The [method of claim 1/ system of claim 6], wherein the first context [comprises/is] a natural language context.”44
4.	Claims 4/9: “The [method of claim 1/ system of claim 6], wherein the high-level code is contained in a script.”45
5.	Claims 5/10: “The [method of claim 4/system of claim 9], wherein the script is written by a user of the mobile communication device.”47
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1.	Claims 1/647
a.	“A [method/system] for programming a mobile communication device based on a

	high-level code comprising operative language, the [method/system] comprising:”	47
b.	Claim Elements 1.b/6.b	49
	(1) “[means for] receiving a high-level code comprising one or more keywords, wherein the high-level code is provided by a user of a mobile communication device to control the operation of the mobile communication device”	49
	(2) “without having to select from menu items provided by an operating system running on the mobile communication device”	51
c.	“[means for] parsing the high-level code for the keywords to recognize the operative language associated with controlling one or more operations of the mobile communication device;”	55
d.	“[means for] determining at least one operation associated with the operative language;”	58
e.	“[means for] determining whether high-level code comprises keywords defining one or more relationships and conditions corresponding to the operative language;”	60
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