United States Patent No. 9,769,314

1[Pre(i)] A method for	6[Pre(i)] A system for	11[Pre(i)] A method for	19[Pre] An information-
retrieving information	retrieving information	retrieving desired	retrieval system for
from an information	from an information	information from an	retrieving information
source, the information	source, the information	information source of a	from an information
source being periodically	source being periodically	plurality of information	source, the information
updated with current	updated with current	sources, the information	source being periodically
information,	information,	source being periodically	updated with current
		updated with current	information, comprising:
		information,	
1[Pre(ii)] over a network,	6[Pre(ii)] over a network,	11[Pre(ii)] over a network,	
by speech commands	by speech commands	by speech commands	
received from a particular	received from a particular	received from a particular	
user of a plurality of users	user of a plurality of users	user of a plurality of users,	
provided by the particular	provided by the particular		
user via an electronic-	user via an electronic-		
communication device,	communication device,		
and	and		
1[Pre(iii)] wherein each of	6[Pre(iii)] wherein each of	11[Pre(iii)] wherein each	19[A(i)(b)] wherein each
the plurality of users has a	the plurality of users has a	of the plurality of users	of the plurality of users
respective electronic-	respective electronic-	has a respective	has a respective
communication device,	communication device,	electronic-communication	electronic-communication
said method comprising:	said system comprising:	device, said method	device
		comprising:	
1(a)[(i)(A)] receiving a	6(a)[(i)(B)] the speech-	11(a)[(i)(A)] receiving a	19(a)[(i)(B)] adapted to
speech command from	recognition engine	speech command, from	receive a speech command
each of the plurality of	adapted to receive a	each of the plurality of	from a particular user of a

users provided via the	speech command from	users via the respective	plurality of users via an
respective electronic-	each of the plurality of	electronic-communication	electronic-communication
communication device,	users provided via the	device,	device to access desired
	respective electronic-		information,
	communication device,		
1(a)[(i)(B)] by a speech-	6(a)[(i)(A)] a speech-	11(a)[(i)(B)] the speech-	19(a)[(i)(A)] a speech-
recognition engine	recognition engine	recognition engine	recognition engine
coupled to a media server,	including a processor and	coupled to a media server,	coupled to a processor and
	coupled to a media server,		a media server and
1(a)[(ii)] the media server	6(a)[(ii)] the media server	11(a)[(ii)] the media	19(a)[(ii)] the media
configured to identify and	configured to identify and	server configured to	server configured to
access the information	access the information	identify and access an	identify and access an
source via the network,	source via the network,	information source from	information source from a
		the plurality of	plurality of information
		information sources via	sources via the network,
		the network,	
1(a)[(iii)] the speech-	6(a)[(iii)] the speech-	11(a)[(iii)] the speech-	19(a)[(iii)] the speech-
recognition engine	recognition engine	recognition engine	recognition engine
adapted to select speech-	adapted to select speech-	adapted to select speech-	adapted to select speech-
recognition grammar	recognition grammar	recognition grammar	recognition grammar
established to correspond	established to correspond	established to correspond	established to correspond
to the speech commands	to the speech commands	to the speech commands	to the speech commands
received from the plurality	received from the plurality	received, from certain of	received, the speech-
of users and assigned to a	of users and assigned to a	the plurality of users and	recognition grammar
desired search;	desired search;	assigned to a desired	associated with the desired
		search;	information;
1(b)[(i)] selecting, by the	6(b)[(i)] the media server	11(b)[(i)] selecting, by the	19(b)[(i)] the media
media server, at least one	further configured to	media server, at least one	server, adapted to select at

information-source-	select at least one	information-source-	least one information-
retrieval instruction	information-source-	retrieval instruction	source-retrieval
corresponding to the	retrieval instruction	corresponding to the	instruction corresponding
speech-recognition	corresponding to the	speech-recognition	to the speech-recognition
grammar established for a	speech-recognition	grammar established for a	grammar established for a
particular speech	grammar established for a	particular speech	particular speech
command,	particular speech	command,	command,
	command,		
1(b)[(ii)] the at least one	6(b)[(ii)] the at least one	11(b)[(ii)] the at least one	19(b)[(ii)] the at least one
information-source-	appropriate information-	information-source-	information-source-
retrieval instruction stored	source-retrieval	retrieval instruction stored	retrieval instruction stored
in a database associated	instruction stored in a	in a database associated	in a database associated
with the media server and	database associated with	with the media server and	with the media server and
adapted to retrieve	the media server and	adapted to retrieve	adapted to retrieve
information;	adapted to retrieve	information;	information from a
	information;		particular one of the
			information sources that
			has the desired
			information;
1(c) accessing, by a web-	6(c) a web-browsing	11(c) providing access, by	19(c) a web-browsing
browsing server, a portion	server coupled to the	the speech command, via	server, adapted to provide
of the information source	media server and adapted	a web-browsing server, to	access, by the speech
to retrieve information of	to access a portion of the	a portion of the	command, to a portion of
interest requested by the	information source to	information source to	the information source to
particular user, by using a	retrieve information of	retrieve the desired	retrieve the desired
processor of the web-	interest requested by the	information for the	information, by using a
browsing server, which	particular user, by using a	particular user, by using a	processor of the web-
processor	processor of the web-	processor of the web-	

	browsing server, which	browsing server, which	browsing server, which
	processor	processor	process
1(c)[(i)] performs an	6(c)[(i)] performs an	11(c)[(i)] performs an	19(c)[(i)] performs an
instruction that requests	instruction that requests	instruction that requests	instruction that requests
information from an	information from an	information from an	information from an
identified webpage, and	identified webpage, and	identified webpage, and	identified webpage, and
1(c)[(ii)] utilizes a content	6(c)[(ii)] utilizes a content	11(c)[(ii)] utilizes a	19(c)[(ii)] utilizes a
extractor within the web-	extractor within the web-	content extractor within	content extractor within
browsing server to	browsing server to	the web-browsing server	the web-browsing server
separate a portion of the	separate a portion of the	to separate a portion of the	to separate a portion of the
information from other	information from other	information from other	information from other
information, the	information, the	information, the	information, the
information derived from	information derived from	information is derived	information derived from
only a portion of the	only a portion of a	from only a portion of the	only a portion of the
webpage containing	webpage containing	webpage containing	webpage containing
information of interest to	information of interest to a	information of interest to a	information of interest to
the particular user,	particular user,	particular user,	the particular user,
1(c)[(iii)] wherein the	6(c)[(iii)] wherein the	11(c)[(iii)] wherein the	19(c)[(iii)] wherein the
content extractor uses a	content extractor uses a	content extractor uses a	content extractor uses a
content-descriptor file	content-descriptor file	content-descriptor file	content-descriptor file
containing a description of	containing a description of	containing a description of	containing a description of
the portion of information	the portion of information	the portion of information	the portion of information
and wherein the content-	and wherein the content-	and wherein the content-	and wherein the content-
descriptor file indicates a	descriptor file indicates a	descriptor file indicates a	descriptor file indicates a
location of the portion of	location of the portion of	location of the portion of	location of the portion of
the information within the	the information within the	the information within the	the information within the
information source;	information source, and	information source,	information source

1(d) selecting by the web- browsing server the information of interest from the information source and retrieving only the portion of the information of interest requested by the particular user according to the at least one information- source-retrieval	6(c)[(iv)] selecting, by the web-browsing server, the information of interest from the information source and retrieving only the portion of the information of interest requested by the particular user according to the at least one information- source-retrieval	11(d) selecting, by the web-browsing server, the desired information from the appropriate information source and retrieving only the portion of the information of interest requested by the particular user according to the at least one information-source-	19(c)[(iv)] and selecting, by the web-browsing server, the desired information from the information source and retrieving only the portion of the information desired by the particular user according to the at least one information-source- retrieval instruction;
1(e) converting the information retrieved from the information source into an audio message by a speech-synthesis engine, the speech-synthesis engine coupled to the media server; and	6(d)[(i)] a speech- synthesis engine including a processor and coupled to the media server, the speech-synthesis engine adapted to convert the information retrieved from the information source into an audio message and	11(e) converting the information retrieved from the information source into an audio message, by a speech-synthesis engine, the speech-synthesis engine coupled to the media server;	19(d)[(i)] a speech- synthesis engine coupled to the media server, and adapted to convert the portion of the information from the information source into an audio message for the particular user of the plurality of users
1(f) transmitting the audio message to the electronic- communication device of the particular user requesting information of	6(d)[(ii)] transmit the audio message by the electronic-communication device of the particular user requesting	11(f) conveying the audio message through the electronic-communication device to the respective electronic-communication device of the particular	19(d)[(ii)] and conveying the audio message through the electronic- communication device to the particular user of the plurality of users; and

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