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(54) Title: A STUDIO AND A SYSTEM FOR LIFE-SIZE VIDEOCONFERENCING

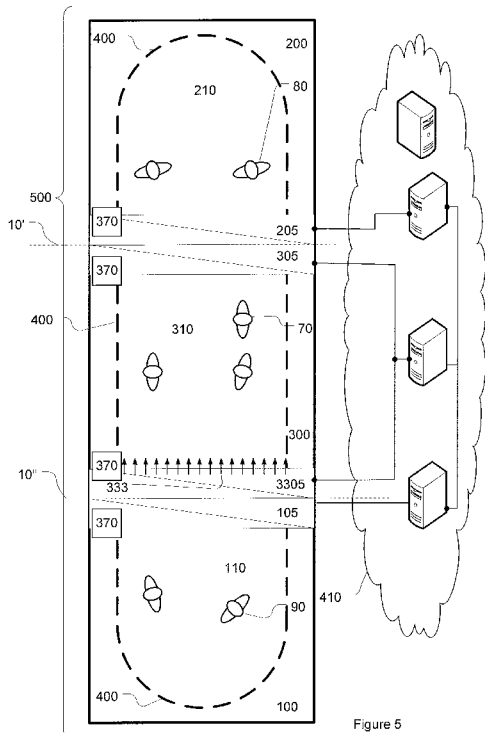


Figure 5

(57) Abstract: The present invention relates to a studio, a studio system and a studio configuration and calibration method for life-size videoconferencing. The studio comprises a local conferee space (310) and a local transceiver (305) for life-size videoconferencing. The transceiver (305) comprises an optical input unit (330) and an optical output unit (340) adapted and configured to provide continuous duplex image transfer via a duplex area (350) of a screen (360). The duplex area (350) is adapted and configured to simultaneously transmit to the local conferee space (310) the image of a remote conferee space (210) comprised in a remote studio (200), and further reflect the image of the local conferee space (310) to the optical input unit (330), enabling the image of the entire local conferee space (310) to be visualized to scale, without aberrations, to the remote conferee space (210); thereby enabling a local party comprising a conferee (70) to establish eye contact and register the body movements of a remote party comprising conferee (80). In the system Images of physically separated conferee spaces are concatenated to an operational conference setting (400), thereby enabling a remote conferee located anywhere in the remote space to establish eye contact with a conferee visible in the image of the second remote space.

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— *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments (Rule 48.2(h))*

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INTERNATIONAL SEARCH REPORT

International application No.
PCT/SE2011/050064

A. CLASSIFICATION OF SUBJECT MATTER		
IPC: see extra sheet		
According to International Patent Classification (IPC) or to both national classification and IPC		
B. FIELDS SEARCHED		
Minimum documentation searched (classification system followed by classification symbols)		
IPC: G02B, G02F, H04M, H04N		
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched		
SE, DK, FI, NO classes as above		
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)		
EPO-Internal, PAJ, WPI data, COMPENDEX, INSPEC, IBM-TDB		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 20050024484 A1 (LEONARD EDWIN R ET AL), 3 February 2005 (2005-02-03); abstract; paragraphs [0010]-[0013], [0038]; figures 1-5	1-2, 4-8, 18-20
Y	--	3
Y	WO 2008036931 A2 (WHITE PETER MCDUFFIE), 27 March 2008 (2008-03-27); abstract; page 9, line 10 - line 28; page 14, line 33 - page 15, line 5; page 17, line 19 - line 22; page 24, line 4 - line 5; figures 8-9; claims 1, 4	3
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<input checked="" type="checkbox"/> Further documents are listed in the continuation of Box C. <input checked="" type="checkbox"/> See patent family annex.		
* Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier application or patent but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art "&" document member of the same patent family		
Date of the actual completion of the international search		Date of mailing of the international search report
12-12-2011		13-12-2011
Name and mailing address of the ISA/SE Patent- och registreringsverket Box 5055 S-102 42 STOCKHOLM Facsimile No. + 46 8 666 02 86		Authorized officer Henrik Eriksson Telephone No. + 46 8 782 25 00

INTERNATIONAL SEARCH REPORT

International application No.
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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 2009120814 A2 (CISCO TECHNOLOGY INC ET AL), 1 October 2009 (2009-10-01); abstract; paragraphs [0006]-[0008], [0017]; figures --	1-8, 18-20
A	US 20080013050 A1 (BOUTE OLIVIER ET AL), 17 January 2008 (2008-01-17); abstract; figures 3a, 3b; claim 1 --	1-8, 18-20
A	WO 2004091214 A1 (TANDBERG TELECOM AS ET AL), 21 October 2004 (2004-10-21); abstract; page 1, line 8 - page 3, line 12 -- -----	1-8, 18-20

INTERNATIONAL SEARCH REPORT

International application No.
PCT/SE2011/050064**Box No. II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)**

This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:

2. Claims Nos.:
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:

3. Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box No. III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1: Claims 1-8 and 18-20 directed to a studio and a conference setting for videoconferencing.

2: Claims 9-17 directed to studio calibration and configuration methods.

1. As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
2. As all searchable claims could be searched without effort justifying additional fees, this Authority did not invite payment of additional fees.
3. As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:
4. No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.: **1-8, 18-20**

Remark on Protest

- The additional search fees were accompanied by the applicant's protest and, where applicable, the payment of a protest fee.
- The additional search fees were accompanied by the applicant's protest but the applicable protest fee was not paid within the time limit specified in the invitation.
- No protest accompanied the payment of additional search fees.

Continuation of: second sheet

International Patent Classification (IPC)

H04N 7/15 (2006.01)

H04M 3/56 (2006.01)

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Use the application number as username. The password is **UWTLUBFMHL**.

Paper copies can be ordered at a cost of 50 SEK per copy from PRV InterPat (telephone number 08-782 28 85).

Cited literature, if any, will be enclosed in paper form.

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

PCT/SE2011/050064

US	20050024484	A1	03/02/2005	US	7119829	B2	10/10/2006
				WO	2005013600	A3	13/04/2006
WO	2008036931	A2	27/03/2008	EP	2064866	A4	12/01/2011
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WO	2004091214	A1	21/10/2004	AT	492986	T	15/01/2011
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				CN	1788492	A	14/06/2006
				DE	602004030675	D1	03/02/2011
				EP	1611744	B1	22/12/2010
				JP	2006522559	A	28/09/2006
				NO	318883	B1	18/05/2005
				US	20040239755	A1	02/12/2004
				US	7336294	B2	26/02/2008