



SUPPLEMENTARY EUROPEAN SEARCH REPORT

Application number:
EP 15 90 23 90

Classification of the application (IPC):
H04L 9/00, H04L 29/06, H04W 12/02, G06F 21/57, G06F 21/00

Technical fields searched (IPC):
H04W, H04K

DOCUMENTS CONSIDERED TO BE RELEVANT		
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim
X Y	US 2014096198 A1 (BRUNSON GORDON R [US] ET AL) 03 April 2014 (2014-04-03) * abstract * * paragraph [0006] - paragraph [0016] * * paragraph [0025] - paragraph [0042]; figure 1 * * paragraph [0043] - paragraph [0051]; figure 2 * * paragraph [0053] - paragraph [0071]; figures 3-5 *	1-4, 8-12 5-7, 13-15
X A	US 4658099 A (FRAZER BYRON T [US]) 14 April 1987 (1987-04-14) * abstract * * column 3, line 1 - column 4, line 6 * * column 4, line 38 - column 10, line 40; figures 2,3a,3b,7a,7b *	1-4, 8-12 5-7, 13-15
Y	US 2014002357 A1 (POMBO STEPHEN A [US] ET AL) 02 January 2014 (2014-01-02) * abstract * * paragraph [0003] - paragraph [0024] * * paragraph [0059] - paragraph [0065] *	5-7, 13-15

The supplementary search report has been based on the last set of claims valid and available at the start of the search.

Place of search Munich	Date of completion of the search 19 December 2018	Examiner Jakob, Gregor
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CATEGORY OF CITED DOCUMENTS

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|---|--|
| X: particularly relevant if taken alone | P: intermediate document |
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| A: technological background | E: earlier patent document, but published on, or after the filing date |
| O: non-written disclosure | D: document cited in the application |
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ANNEX TO SUPPLEMENTARY EUROPEAN SEARCH REPORT

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This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on 19-12-2018
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Patent document cited in search report		Publication date	Patent family member(s)		Publication date
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US 4658099	A	14-04-1987	NONE		
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