



SUPPLEMENTARY EUROPEAN SEARCH REPORT

Application number:
EP 20 88 11 52

Classification of the application (IPC):

H04L 9/08, G06F 16/174, H04L 9/00, G06N 20/00, H03M 7/30, H04L 9/40, G06N 5/022, H04L 9/06

Technical fields searched (IPC):

H03M, H04L

DOCUMENTS CONSIDERED TO BE RELEVANT		
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim
X	US 5408234 A (CHU KE-CHIANG [US]) 18 April 1995 (1995-04-18) * column 3, line 17 - column 6, line 49 *	1-10
A	US 7154416 B1 (SAVAGE KEN J [CA]) 26 December 2006 (2006-12-26) * column 15, line 65 - column 23, line 4 *	1-10
A	US 2018191690 A1 (LEE NAM-SUK [KR]) 05 July 2018 (2018-07-05) * paragraph [0076] - paragraph [0144] * * paragraph [0282] - paragraph [0314] *	1-10

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 21 September 2023	Examiner Tenbrieg, Christoph
---------------------------	---	---------------------------------

CATEGORY OF CITED DOCUMENTS

- | | |
|---|--|
| X: particularly relevant if taken alone | P: intermediate document |
| Y: particularly relevant if combined with another document of the same category | T: theory or principle underlying the invention |
| 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 |
| & : member of the same patent family, corresponding document | L: document cited for other reasons |

Disclaimer: this document has been automatically generated using data structured in accordance with WIPO standard ST.36 from the database of search reports of the European Patent Office. For technical reasons, its content and layout may differ from that of the original publication. Only the original published information is legally binding.



ANNEX TO SUPPLEMENTARY EUROPEAN SEARCH REPORT

Application number:
EP 20 88 11 52

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 21-09-2023
The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

Patent document cited in search report		Publication date	Patent family member(s)		Publication date
US 5408234	A	18-04-1995	NONE		
US 7154416	B1	26-12-2006	NONE		
US 2018191690	A1	05-07-2018	CN	107736029 A	23-02-2018
			EP	3300373 A1	28-03-2018
			KR	20170004501 A	11-01-2017
			US	2018191690 A1	05-07-2018
			WO	2017003133 A1	05-01-2017