



## SUPPLEMENTARY EUROPEAN SEARCH REPORT

Application number:  
EP 21 82 15 66

Classification of the application (IPC):  
F42C 15/24, F42C 15/40

Technical fields searched (IPC):  
F42C

DOCUMENTS CONSIDERED TO BE RELEVANT		
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim
Y	EP 1559986 A1 (LUCENT TECHNOLOGIES INC [US]) 03 August 2005 (2005-08-03) * paragraphs [0009] - [0026]; figures 1-3 *	1-8
Y	US 10615695 B1 (PIROZZI JOHN [US] ET AL) 07 April 2020 (2020-04-07) * column 2, line 65 - column 6, line 34; claims 1-12; figures 1, 2 *	1-8

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 The Hague	Date of completion of the search 19 October 2023	Examiner Kasten, Klaus
------------------------------	---	---------------------------

### 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 21 82 15 66

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 19-10-2023  
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
EP 1559986	A1	03-08-2005	EP 1559986 A1	03-08-2005
			JP 4652831 B2	16-03-2011
			JP 2005214619 A	11-08-2005
			KR 20050077265 A	01-08-2005
			US 2005183605 A1	25-08-2005
US 10615695	B1	07-04-2020	NONE	