



# SUPPLEMENTARY EUROPEAN SEARCH REPORT

Application number:  
EP 21 88 72 23

## Classification of the application (IPC):

G02F 1/163, G02B 5/20, G05B 19/048, E06B 9/24, G05B 13/04, G05B 15/02, H04L 12/413, E06B 3/67, G05B 23/02, G02F 1/157

## Technical fields searched (IPC):

G02F, G02B, G05B, E06B

DOCUMENTS CONSIDERED TO BE RELEVANT		
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim
X	US 2019317458 A1 (SHRIVASTAVA DHARYA [US] ET AL) 17 October 2019 (2019-10-17) * abstract * * figure 10 * * paragraph [0124] - paragraph [0174] *	1-15
X	US 2020061975 A1 (PRADHAN ANSHU A [US] ET AL) 27 February 2020 (2020-02-27) * abstract * * figures 1, 9B, 9C * * paragraph [0056] - paragraph [0310] *	1-15
A	DE 4436658 B4 (HITACHI LTD [JP]) 12 February 2004 (2004-02-12) * abstract * * figure 1 * * paragraph [0033] - paragraph [0069] *	1-15

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	Date of completion of the search	Examiner
The Hague	23 August 2024	Hageman, Elodie

## CATEGORY OF CITED DOCUMENTS

X: particularly relevant if taken alone  
 Y: particularly relevant if combined with another document of the same category  
 A: technological background  
 O: non-written disclosure  
 & : member of the same patent family, corresponding document

P: intermediate document  
 T: theory or principle underlying the invention  
 E: earlier patent document, but published on, or after the filing date  
 D: document cited in the application  
 L: document cited for other reasons



## 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 23-08-2024. 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
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