

Title (en)  
OPTICAL FIBER-TO-CHIP INTERCONNECTION

Title (de)  
GLASFASER-ZU-CHIP-VERBINDUNG

Title (fr)  
INTERCONNEXION DE FIBRE OPTIQUE À PUCE

Publication  
**EP 4346547 A1 20240410 (EN)**

Application  
**EP 22812386 A 20220525**

Priority

- US 202163192852 P 20210525
- US 202163208759 P 20210609
- US 202163210437 P 20210614
- US 202163212013 P 20210617
- US 202163223685 P 20210720
- US 202163225779 P 20210726
- US 202163245005 P 20210916
- US 202163245011 P 20210916
- US 202163272025 P 20211026
- US 202263316551 P 20220304
- US 202217693040 A 20220311
- US 2022072575 W 20220525

Abstract (en)  
[origin: WO2022251855A1] A method of assembling an optical device including: providing a photonic integrated circuit including a plurality of vertical-coupling elements disposed along a main surface of the photonic integrated circuit; attaching an optical subassembly to the photonic integrated circuit; removably connecting a fiber connector to a ferrule frame, in which the fiber connector is attached to an array of optical fibers; aligning the ferrule frame to the optical subassembly using an active alignment process; and securely connecting the ferrule frame to the optical subassembly after the active alignment process.

IPC 8 full level  
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Designated extension state (EPC)  
BA ME

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KH MA MD TN

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**WO 2022251855 A1 20221201**; CA 3221063 A1 20221201; CN 117858653 A 20240409; EP 4346547 A1 20240410

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