

Title (en)
OPTICAL FIBER-TO-CHIP INTERCONNECTION

Title (de)
GLASFASER-ZU-CHIP-VERBINDUNG

Title (fr)
INTERCONNEXION DE FIBRE OPTIQUE À PUCE

Publication
EP 4305477 A1 20240117 (EN)

Application
EP 22768127 A 20220311

Priority

- US 202163159768 P 20210311
- US 202163173253 P 20210409
- US 202163175021 P 20210414
- US 202163178501 P 20210422
- 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 2022020031 W 20220311

Abstract (en)
[origin: WO2022192724A1] An apparatus includes a fiber-optic connector configured to be connected between one or more optical fibers having a plurality of fiber cores and a photonic integrated circuit including a plurality of vertical-coupling elements disposed along a main surface of the photonic integrated circuit. The fiber-optic connector includes a polarization beam splitter and a patterned birefringent plate. The polarization beam splitter is configured to split an incident light beam from a corresponding fiber core into a first beam having a first polarization and a second beam having a second polarization different from the first polarization.

IPC 8 full level
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CPC (source: EP)
G02B 6/126 (2013.01); **G02B 6/2706** (2013.01); **G02B 6/30** (2013.01); **G02B 6/4209** (2013.01)

Citation (search report)
See references of WO 2022192724A1

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Designated extension state (EPC)
BA ME

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KH MA MD TN

DOCDB simple family (publication)
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