

Title (en)

OPTICAL DEVICE

Title (de)

OPTISCHE VORRICHTUNG

Title (fr)

DISPOSITIF OPTIQUE

Publication

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Application

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Abstract (en)

[origin: WO9942871A1] An optical device comprises a multicore optical fibre having m circularly symmetric cores where $m > 1$, the multicore optical fibre having a region of steadily narrowing cross-sectional area. This invention also provides an optical coupler comprising a multicore optical fibre having m circularly symmetric cores optically coupled at a narrowed coupling region to another optical fibre having n cores, where m and n are positive integers and m is greater than 1, the multicore optical fibre having regions of steadily varying cross-sectional area linking the narrowed coupling region to non-narrowed regions of the multicore optical fibre.

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