

Title (en)
ASYMMETRIC OPTICAL BRANCHING ELEMENT

Title (de)
ASYMMETRISCHER OPTISCHER VERZWEIGER

Title (fr)
DIVISEUR OPTIQUE ASYMÉTRIQUE

Publication
EP 2115504 A1 20091111 (DE)

Application
EP 08708283 A 20080128

Priority
• EP 2008050965 W 20080128
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Abstract (en)
[origin: WO2008092825A1] An optical branching element (100) has an optical conductor track arrangement (LB) which extends from a first side (S1) to a second side (S1) of an optical chip of the optical branching element. The conductor track arrangement (LB) has a plurality of branching nodes (K1) where in each case one conductor track section (LB1) branches to form a plurality of conductor track sections (LB2, LB3). At a branching node (K1), the light output injected by way of a first conductor track section (LB1) is distributed to the conductor track sections (LB2, LB3), which are connected downstream and branch off from the branching node (K1), in a non-uniform manner. Receiving units (R1) which exhibit a larger distance from a transmission unit (T) than other receiving units (R2) are connected to those conductor track sections (LB2) of the optical branching element which have a lower insertion loss due to the non-uniform ratio of the distribution of the light output.

IPC 8 full level
G02B 6/125 (2006.01)

CPC (source: EP US)
G02B 6/125 (2013.01 - EP US); **G02B 2006/1215** (2013.01 - EP US); **G02B 2006/12154** (2013.01 - EP US)

Citation (search report)
See references of WO 2008092825A1

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