

Title (en)
Orthomode transducer

Title (de)
Polarisationsweiche

Title (fr)
Transducteur orthomode

Publication
EP 2600465 A1 20130605 (EN)

Application
EP 12194728 A 20121129

Priority
IT MI20112186 A 20111130

Abstract (en)
Orthomode transducer comprising a first port (10) and a second port (20) for input/output of single-mode signals (SV,SH) and a port (30) for output/ input of dual-mode signals (SV, SH1) with orthogonal relative polarization, said first single-mode port (10) and second single-mode port (20) lying in planes parallel to each other. Said single-mode ports (10,20) have their respective transverse section, orthogonal to the direction of movement (X-X) of the single-mode input/output signals (SV,SH), parallel to each other and perpendicular to the plane in which the port (30) orthogonal to the direction of propagation (Y-Y) of the dual-mode output/input signals (SV, SH1) lies.

IPC 8 full level
H01P 1/161 (2006.01)

CPC (source: EP)
H01P 1/161 (2013.01)

Citation (applicant)
• US 2007210882 A1 20070913 - MAHON JOHN P [US], et al
• EP 0661771 A2 19950705 - NEC CORP [JP]

Citation (search report)
• [A] EP 0661771 A2 19950705 - NEC CORP [JP]
• [A] WO 2008012369 A1 20080131 - THALES SA [FR], et al
• [A] DE 19643896 A1 19970507 - NEC CORP [JP]

Cited by
EP3447839A1; CN107611529A; WO2021188171A1; EP3893323A1; IT202000007681A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

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