

Title (en)
LATERAL ILLUMINATION OPTICAL FIBRE

Title (de)
SEITENLICHTFASER

Title (fr)
FIBRE À LUMIÈRE LATÉRALE

Publication
EP 3170040 A2 20170524 (DE)

Application
EP 15753617 A 20150717

Priority
• DE 102014110120 A 20140718
• EP 2015066423 W 20150717

Abstract (en)
[origin: WO2016009045A2] A lateral illumination optical fibre (1) comprises a light-conducting core (2) oriented in a main direction of propagation (M), optical means (11, 12) arranged in or on the core for emitting visible lateral luminous radiation (5) in a radial direction when the optical means (11, 12) are irradiated with exciter radiation (4) propagating in the main direction of propagation (M) in the core, wherein the optical means comprise first optical means (11) and second optical means (12), and the first and second optical means (11, 12) are made to emit lateral luminous radiation (51, 52) each by a diverging exciter radiation (41, 42).

IPC 8 full level
G02B 6/00 (2006.01)

CPC (source: EP)
G02B 6/001 (2013.01); **G02B 6/0003** (2013.01)

Citation (search report)
See references of WO 2016009045A2

Citation (examination)
• WO 2007084785 A2 20070726 - MASSACHUSETTS INST TECHNOLOGY [US], et al
• WO 2012146960 A1 20121101 - TISSOT YANN [CH]

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

DOCDB simple family (publication)
DE 102014110120 A1 20160121; EP 3170040 A2 20170524; WO 2016009045 A2 20160121; WO 2016009045 A3 20160324

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DE 102014110120 A 20140718; EP 15753617 A 20150717; EP 2015066423 W 20150717