

Title (en)  
FIBRE COUPLER

Title (de)  
FASERKOPPLER

Title (fr)  
COUPLEUR À FIBRE OPTIQUE

Publication  
**EP 2281216 A2 20110209 (DE)**

Application  
**EP 09735324 A 20090409**

Priority  
• DE 2009000500 W 20090409  
• DE 102008020828 A 20080425

Abstract (en)  
[origin: WO2009129774A2] A fibre coupler with an inner tube (2), an inner fibre (SF) arranged within the inner tube (2) and several outer fibres (PF) arranged around the inner fibre (SF), is disclosed, wherein said fibre coupler tapers in the longitudinal direction of the inner fibre (SF) from a main section (5) to a terminal section (7) and the inner cross section on the inner tube (2) corresponds to the diameter of the inner fibre (SF) along the tapering section (6) of the fibre coupler (1).

IPC 8 full level  
**G02B 6/28** (2006.01)

CPC (source: EP US)  
**G02B 6/2856** (2013.01 - EP US); **H01S 3/094007** (2013.01 - EP US); **H01S 3/094019** (2013.01 - EP US); **H01S 3/094053** (2013.01 - EP US); **Y10T 29/49826** (2015.01 - US)

Citation (search report)  
See references of WO 2009129774A2

Citation (examination)  
WO 2004112206 A2 20041223 - SOREQ NUCLEAR RES CT [IL], et al

Designated contracting state (EPC)  
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 SE SI SK TR

Designated extension state (EPC)  
AL BA RS

DOCDB simple family (publication)  
**DE 102008020828 A1 20091029**; CN 102016667 A 20110413; EP 2281216 A2 20110209; JP 2011519059 A 20110630; JP 5575111 B2 20140820; US 2011123155 A1 20110526; US 8787716 B2 20140722; WO 2009129774 A2 20091029; WO 2009129774 A3 20091217

DOCDB simple family (application)  
**DE 102008020828 A 20080425**; CN 200980114974 A 20090409; DE 2009000500 W 20090409; EP 09735324 A 20090409; JP 2011505358 A 20090409; US 98964809 A 20090409