

Title (en)
ILLUMINABLE TRANSMISSION CABLE

Title (de)
BELEUCHTBARES ÜBERTRAGUNGSKABEL

Title (fr)
CÂBLE DE TRANSMISSION POUVANT ÊTRE ÉCLAIRÉ

Publication
EP 3289775 A2 20180307 (EN)

Application
EP 16725640 A 20160429

Priority
• US 201514702005 A 20150501
• US 2016029995 W 20160429

Abstract (en)
[origin: WO2016178961A2] An illuminable transmission cable includes an electrical conductor, a light-diffusing fiber having a glass core and a cladding, at least one of the glass core and a core-cladding interface having a plurality of scattering structures. The light-diffusing fiber is configured to optically couple with a light source which emits light into the light-diffusing fiber. The scattering structures are configured to scatter the emitted light and output the emitted light along at least a portion of a sidewall of the light-diffusing fiber. A light transmissive jacket surrounds the electrical conductor and the light-diffusing fiber.

IPC 8 full level
H04R 1/10 (2006.01); **F21V 8/00** (2006.01)

CPC (source: EP)
G02B 6/001 (2013.01); **H04R 1/1033** (2013.01); **H04R 5/0335** (2013.01)

Citation (search report)
See references of WO 2016178961A2

Designated contracting state (EPC)
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Designated extension state (EPC)
BA ME

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