

Title (en)
BLOCKING FOR FIBER OPTIC CABLE

Title (de)
BLOCKIERUNG FÜR FASEROPTISCHES KABEL

Title (fr)
BLOCAGE POUR CÂBLE À FIBRES OPTIQUES

Publication
EP 4107566 A4 20240410 (EN)

Application
EP 21756381 A 20210218

Priority
• US 202062978150 P 20200218
• US 2021018608 W 20210218

Abstract (en)
[origin: WO2021168136A1] Blocking of water and gas from an interior of the cable from passing into a closure includes applying blocking material to an end cut of the jacket, wherein the blocking device includes a film and a clamp to create a pocket for receiving the blocking material. A further blocking device is positioned over the window cut wherein the optical fibers are expanded relative to the jacket by pushing the jacket ends toward one another and rotating relative to one another. The blocking material surrounds both ends of the jacket and the bowed outward optical fibers. A further blocking device includes a tube, two end caps, and two clamps for creating a pocket over a window cut which receives blocking material. Rollable ribbon cable is disclosed.

IPC 8 full level
G02B 6/44 (2006.01)

CPC (source: EP)
G02B 6/44384 (2023.05); **G02B 6/4471** (2013.01); **G02B 6/4403** (2013.01)

Citation (search report)
• [YA] US 7257305 B1 20070814 - ESLAMBOLCHI HOSSEIN [US], et al
• [YA] US 4252405 A 19810224 - OLDHAM RONALD C
• [A] US 4784455 A 19881115 - SLADEN FRANCIS [US], et al
• [A] US 2013074303 A1 20130328 - DURRANT RICHARD COLIN EDWARD [US], et al
• See also references of WO 2021168136A1

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

DOCDB simple family (publication)
WO 2021168136 A1 20210826; EP 4107566 A1 20221228; EP 4107566 A4 20240410

DOCDB simple family (application)
US 2021018608 W 20210218; EP 21756381 A 20210218