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(54) **HOLLOW CORE OPTICAL FIBRE**

HOHLKERN-LICHTLEITFASER

FIBRE OPTIQUE À ÂME CREUSE

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(56) References cited:  
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- **BELARDI WALTER ET AL: "Negative curvature fibers with reduced leakage loss", OFC 2014; OPTICAL FIBER COMMUNICATION CONFERENCE; 9-13 MARCH 2014, SAN FRANCISCO, CALIFORNIA, UNITED STATES, OSA, US, 9 March 2014 (2014-03-09), pages 1 - 3, XP032633307, DOI: 10.1364/OFC.2014.TH2A.45**
- **FRANCESCO POLETTI: "Nested antiresonant nodeless hollow core fiber", OPTICS EXPRESS, vol. 22, no. 20, 6 October 2014 (2014-10-06), US, pages 23807, XP055221870, ISSN: 2161-2072, DOI: 10.1364/OE.22.023807**
- **MD. SELIM HABIB ET AL: "Low-loss hollow-core silica fibers with adjacent nested anti-resonant tubes", OPTICS EXPRESS, vol. 23, no. 13, 24 June 2015 (2015-06-24), pages 17394, XP055402307, DOI: 10.1364/OE.23.017394**

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- A F KOSOLAPOV ET AL: "Hollow-core revolver fibre with a double-capillary reflective cladding", QUANTUM ELECTRONICS., vol. 46, no. 3, 29 March 2016 (2016-03-29), GB, pages 267 - 270, XP055502520, ISSN: 1063-7818, DOI: 10.1070/QEL15972