

Title (en)

METHOD FOR THE SEPARATION OF OPTICAL FIBERS BY MEANS OF CO<sub>2</sub>-LASER RADIATION

Title (de)

VERFAHREN ZUM TRENNEN VON LICHTLEITFASERN MITTELS CO<sub>2</sub>-LASERSTRAHLUNG

Title (fr)

PROCEDE DE SEPARATION DE FIBRES OPTIQUES AU MOYEN D'UN RAYONNEMENT LASER CO<sub>2</sub>

Publication

**EP 1459116 A1 20040922 (DE)**

Application

**EP 02798296 A 20021217**

Priority

- DE 0204693 W 20021217
- DE 10164579 A 20011228

Abstract (en)

[origin: WO03056372A1] Disclosed is a method for separating optical fibers by means of CO<sub>2</sub> laser radiation, applicable with various types and sizes of fibers with or without cladding as well as with fiber bunches and fiber components. According to the inventive method, separation is performed by means of a special impulse regime adapted to each material, whereby minuscule volumes of material are removed along a line in a sawing-like process until complete separation has been achieved.

[origin: WO03056372A1] Disclosed is a method for separating optical fibers by means of CO<sub>2</sub> laser radiation, applicable with various types and sizes of fibers with or without cladding as well as with fiber bunches and fiber components. According to the inventive method, separation is performed by means of a special impulse regime adapted to each material, whereby minuscule volumes of material are removed along a line in a sawing-like process until complete separation has been achieved.

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