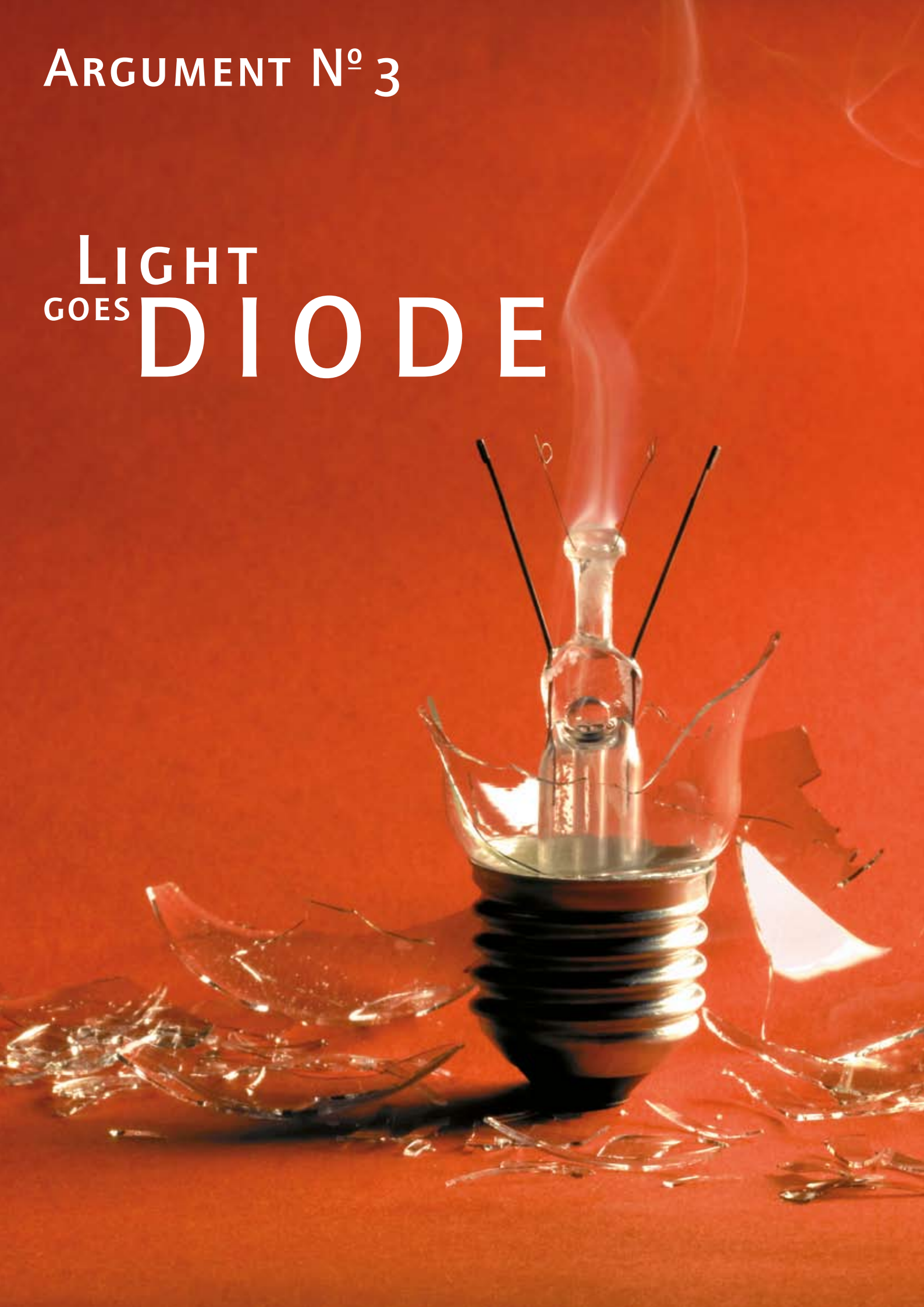
Argument Nº 3

Light goes DIODE



laserline

The King is dead, long live the King! No matter how little this may have to do with progress, the underlying principle is echoed in science.

When it seemed that horses and carts were here to stay and were even being used to tow trams, suddenly everyone was driving cars. And just as the typewriter was taking off, it was superseded by the computer.

The same is true of the light bulb. From the moment the first diode lit up, it was clear: Light goes Diode – and the light bulb was relegated. Today, it is not far from extinction, which is not a bad thing. It has done its job and the future looks different – brighter!

The basis of many applications

With the diode, the future is clear. The new sources of radiation take on a significant new meaning in the context of lasers: Unlike conventional sources of light, the light is generated by stimulated emission and, due to their brightness and excellent focusability, a much greater intensity of light is produced. This is the basis for many of the medical applications in which lasers are used, as well as in the processing of materials and other areas of everyday life.

At the same time, the beam quality of the diode, in other words the maximum power of diode lasers of the same diameter of fiber has doubled every two years. In addition to increasing the power of diode lasers, development also looks to continually increase the reliability of the systems in industrial production.

Any question on diodes, lasers or diode lasers?

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