



ISTITUTO ITALIANO  
DI TECNOLOGIA

## TITLE

Super Localization Microscopy Dispersion Method and Related Apparatus

## INVENTORS

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## DESCRIPTION

The present invention relates to a method for increasing the optical resolution of a fluorescence microscope apparatus, on opaque or dispersive samples, without increasing the complexity of the apparatus, in a simple, reliable, versatile and economical way. This method uses the light diffused by the sample itself to increase the numerical aperture of the microscopy apparatus, overcoming the resolution of the optical system for collecting the light that is used, i.e. the target.

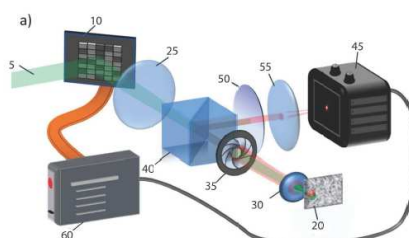


Fig. 1

## APPLICATIONS

Optics, Microscopy

## KEYWORDS

Resolution, resolution increase, fluorescence microscopy

## BIBLIOGRAPHIC DATA

Metodo Di Microscopia Assistita Da Dispersione A Super Localizzazione E Relativo Apparato

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