

Title (en)  
AUTOMATIC FAUCET

Title (de)  
AUTOMATISCHER WASSERHAHN

Title (fr)  
ROBINET AUTOMATIQUE

Publication  
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Application  
**EP 10836078 A 20101210**

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Abstract (en)  
An object of the present invention is to provide an automatic faucet wherein the respective tip section of an optical fiber on a light projection side and an optical fiber on a light receiving side constituting a light projection section and a light receiving section can be easily fixed and separated, workability during assembling of the tip sections of the optical fibers and workability during maintenance can be good rendered, the tip section of a water spout pipe can be made compact. A cylindrical water spout member 52 is provided inside the tip section of the water spout pipe, the optical fiber 80 on the light projection side and the optical fiber 82 on the light receiving side are passed inside the water spout pipe up to the tip section of the water spout pipe, and the tips of the optical fibers 80 and 82 configure a light projection section 62 and a light receiving section 64. Moreover, fitting convex section 86 are provided on the outer surfaces of the tip sections of the optical fibers 80 and 82, and the fitting concave sections 96A and 98A are provided on the outer surface of the water spout member 52. The tip sections of the optical fibers 80 and 82 are fixed in a positioned state based on the concave-convex fitting.

IPC 8 full level  
**E03C 1/05** (2006.01)

CPC (source: EP US)  
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Cited by  
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