

Title (en)
Improved structure of telephone connector

Title (de)
Verbesserte Struktur eines Telefonverbinders

Title (fr)
Structure améliorée d'un connecteur de téléphone

Publication
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Application
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Abstract (en)
The present invention provides an improved structure of telephone connector comprising a rotary head and a fixed plug, which are sleeved together and can turn with respect to each other. The fixed plug has a circular disk having conductive rings of different radii. The conductive rings contact corresponding contact terminals in a plug body. The rotary head has through holes therein. Each of the through holes has a metal ball or an assembly of a metal ball, a sleeve part, and a spring disposed therein to contact a corresponding contact terminal in the rotary head. The characteristic of low friction coefficient of the balls is exploited so that the rotary head can smoothly turn with respect to the fixed plug, hence not entangling the telephone wire. Therefore, the connector of the present invention can provide more stable quality of signal transmission, and is more durable in use. <IMAGE>

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- [X] US 6162062 A 20001219 - LIAO SHENG HSIN [TW]
- [X] FR 2642909 A1 19900810 - KULA PATRICK [FR]
- [DA] US 5082448 A 19920121 - KANG STEVE [TW]

Cited by
CN105048591A; GB2484716A; GB2484754A; CN113644511A; US8142199B1; US8277226B2

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