

Title (en)
WINCH FOR AUDIO EQUIPMENT AND SYSTEM CONTAINING SAME

Title (de)
WINDE FÜR AUDIOGERÄTE UND SYSTEM DAMIT

Title (fr)
TREUIL POUR ÉQUIPEMENT ACOUSTIQUE ET SYSTÈME LE COMPRENANT

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Appication
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Abstract (en)
[origin: EP3950083A1] The invention relates to lifting devices for raising and lowering audio equipment. Technical result consists in providing a simple and reliable winch structure, increased service life of the winch and enhanced accuracy of audio equipment positioning. The technical result is achieved by a winch for audio equipment, comprising a cable and a housing that contains a drive and a drum, wherein a first part of the drum is designed for spooling a first portion of the cable, a second part of the drum is designed for spooling a second portion of the cable and presents a reel that has, disposed on the central bushing, a barrel for spooling the second cable portion, and two side plates, and an external annular wall is provided between the side plates of the reel, the diameter of the external annular wall being greater than that of the barrel of the reel; wherein one end of the first cable portion is designed to be connected to the audio equipment being suspended, and the second end of the first cable portion is fastened to the first part of the drum and connected to the second cable portion; one end of the second cable portion is connected to the first cable portion and is inserted into the reel, being fastened in the region of its annular wall, and the second end of the second cable portion is led out of the reel, being fastened in the region of the barrel of the reel, and is designed to be connected to an external signal path; wherein inner surface of the reel side plates is coated with a sliding material; the cable inside the reel has a coating that provides sliding of the cable relative to adjacent coils and relative to the sliding material covering the reel side plates.

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Citation (search report)
• [AD] US 5526997 A 19960618 - KARCZMER CLAUDE M [US]
• [A] CA 2414854 A1 20020207 - PRODUCTION RESOURCE GROUP LLC [US]
• [A] US 5332171 A 19940726 - STEFF JOSEF [DE]
• See also references of WO 2020204767A1

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