

Title (en)
PNEUMATICALLY CLAMPING ADAPTER

Title (de)
PNEUMATISCH KLEMMENDER ADAPTER

Title (fr)
ADAPTATEUR À SERRAGE PNEUMATIQUE

Publication
EP 3723986 A1 20201021 (DE)

Application
EP 18815720 A 20181213

Priority
• EP 17206947 A 20171213
• EP 2018084773 W 20181213

Abstract (en)
[origin: WO2019115699A1] The invention relates to an adapter sleeve for adapting the internal diameter of cylindrical hollow cylinders to the external diameter of a cylindrical roller, comprising a sleeve body with (as viewed from the inside to the outside) a deformable base sleeve, possibly an intermediate layer and a top layer. Furthermore, the adapter sleeve comprises a first and a second gas distribution system which are connected to a gas inlet. The first gas distribution system is connected to at least one first gas outlet which opens on an outer shell surface of the adapter sleeve. The second gas distribution system has a cavity which is set up to transmit pressure from the inside to the deformable base sleeve, when loaded with a pressurized gas, in such a way that the internal diameter of the sleeve body is reduced at least in a part region of the adapter sleeve by way of a deformation of the base sleeve. Furthermore, the invention relates to arrangements comprising an adapter sleeve of this type, and to methods for mounting a hollow cylinder on a cylindrical roller with the use of an adapter sleeve of this type.

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