

Title (en)
Printing cylinder or printing sleeve and process of manufacturing thereof

Title (de)
Druckzylinder oder Druckzylinderhülse und Verfahren zur Herstellung davon

Title (fr)
Cylindre d'impression ou manchon d'impression et son procédé de fabrication

Publication
EP 2269822 A1 20110105 (DE)

Application
EP 10006536 A 20100623

Priority
NL 2003101 A 20090629

Abstract (en)
Producing a printing cylinder or its sleeve (500) comprises: (a) providing many cylindrical discs with an essentially cylindrical outside surface (542) and respectively one central opening for positioning the cylindrical discs around a core; (b) machining the cylindrical outside surfaces so that the cylindrical discs form a printing cylinder surface; (c) prior to positioning the discs around the core, machining at least one cylindrical disc to form at least one contact surface; (d) positioning the cylindrical discs around the core; and (e) alternately joining the cylindrical discs. Producing a printing cylinder or its sleeve (500) comprises: (a) providing many cylindrical discs with an essentially cylindrical outside surface (542) and respectively one central opening for positioning the cylindrical discs around a core; (b) machining the cylindrical outside surfaces, so that the cylindrical discs form a printing cylinder surface when mounted on a core; (c) prior to positioning the cylindrical discs around the core, machining at least one of the cylindrical discs to form at least one contact surface, where the contact surface is machined precisely so that during the installation of the respective cylindrical disc around the core, the contact surface comes to rest parallel against a complementary formed surface of an adjacent element of the printing cylinder or printing cylinder sleeve; (d) positioning the cylindrical discs around the core; and (e) alternately joining the cylindrical discs. An independent claim is also included for the printing cylinder or its sleeve produced by the method.

Abstract (de)
Ein Verfahren zur Herstellung eines Druckzylinders oder einer Druckzylinderhülse (400) die folgenden Schritte umfassend: Bereitstellen mehrerer Zylinderscheiben (101), die jeweils eine zentralen Öffnung und eine im Wesentlichen zylinderförmige Außenfläche aufweisen; Spanen mindestens einer der Zylinderscheiben zur Bildung mindestens einer Kontaktfläche (114, 122, 130), wobei die mindestens eine Kontaktfläche so genau gespannt wird, dass die mindestens eine Kontaktfläche beim Anbringen der betreffenden Zylinderscheibe (101) um einen Kern (406) herum parallel zu einer komplementär ausgebildeten Oberfläche (114, 122, 407) eines nächstgelegenen Elements des Druckzylinders oder der Druckzylinderhülse (400) zur Anlage kommt; Anbringen der Zylinderscheiben (101, 201, 301) um einen Kern (406) herum; Wechelseitiges Verbinden der Zylinderscheiben (101, 201, 301); und Bearbeiten der im Wesentlichen zylinderförmigen Außenflächen zur Bildung einer Druckzylinderoberfläche (414).

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CPC (source: EP US)
B41F 13/08 (2013.01 - EP US); **B41F 27/14** (2013.01 - EP US); **Y10T 156/10** (2015.01 - EP US)

Citation (applicant)
EP 0127953 A2 19841212 - DRG UK LTD [GB]

Citation (search report)
• [A] EP 0127953 A2 19841212 - DRG UK LTD [GB]
• [X] WO 2008108631 A1 20080912 - DRENT HOLDING B V [NL], et al
• [A] FR 2507544 A1 19821217 - PHILIPS NV [NL]
• [A] US 1553352 A 19250915 - AMIDON EUGENE C, et al

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