

Title (en)
Roll for a paper machine

Title (de)
Papiermaschinenwalze

Title (fr)
Rouleau pour machine à papier

Publication
EP 1795649 B1 20100113 (DE)

Application
EP 06122408 A 20061017

Priority
DE 102005059040 A 20051210

Abstract (en)
[origin: EP1795649A1] In the production of a pressure or suction chest (3) for a blowing or suction roller (1) with a rotatable, perforated casing (2), where the chest is connected with a source of elevated or reduced pressure (to be applied to the casing) and has sealing strip(s) (4) with a sealing surface (7) on or at a specific spacing from the casing, the sealing surface and/or the strip supporting surface (4) is formed with convex and/or concave curvature along the longitudinal axis of the chest. A method is claimed for producing a pressure or suction chest (3) for a blowing or suction roller (1) with a rotatable, perforated casing (2). The chest is connected with a source of elevated or reduced pressure (to be applied to the interior surface of the casing) and has sealing strip(s) (4) with a sealing surface (7) located on or at a specific spacing from the casing. The novel feature is that the sealing surface, and/or the supporting surface (4) on which the strip is at least indirectly supported during operation of the roller, is produced with convex and/or concave curvature along the longitudinal axis of the chest. An independent claim is included for the pressure or suction chest having a curved sealing surface and/or supporting surface as above.

IPC 8 full level
D21F 3/10 (2006.01)

CPC (source: EP)
D21F 3/10 (2013.01)

Cited by
CN104246068A; DE102008002035A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
EP 1795649 A1 20070613; EP 1795649 B1 20100113; AT E455206 T1 20100115; DE 102005059040 A1 20070614;
DE 502006005904 D1 20100304; ES 2337715 T3 20100428

DOCDB simple family (application)
EP 06122408 A 20061017; AT 06122408 T 20061017; DE 102005059040 A 20051210; DE 502006005904 T 20061017;
ES 06122408 T 20061017