

Title (en)

Device for embossing a material web

Title (de)

Vorrichtung zum Prägen einer Materialbahn

Title (fr)

Dispositif pour gaufrer une bande de matière

Publication

**EP 1080876 B1 20040310 (DE)**

Application

**EP 00115818 A 20000722**

Priority

DE 19940487 A 19990826

Abstract (en)

[origin: DE19940487C1] An embossing roller assembly, comprises raceways at both ends of the roller bodies to slide within ring holders in a conical structure to set the embossing gap between the rollers with precision. The raceways (3) have a conical inner ring drilling (31). The embossing roller (1), held by the raceways (3), has ring holders (11) between the roller body (10) and the journals (12) with a conical ring seat (110), to take an inserted raceway (3) with its radially expanding ring drilling (31) as it slides in. The outer diameter of the raceway (3) varies, according to the depth of insertion on the ring seat (110). The conical ring seat (110) has an increasing diameter from the side towards the journal (12) inwards, towards the roller body (10). Pressure rings (6) hold the raceways (3) in position at their ring holders (11). Each pressure ring (6) is placed at the side of a raceway (3) pushed into the ring holder (11), together with a screw locking ring and setting screws (7) for positioning in relation to the ring holder (11). Each pressure ring (6) has a sprung support against the ring holder (11). A ring groove (13) is near each ring seat (110), linked to a channel leading axially from the journal (12) for connection to a pressure supply. Both embossing rollers (1,2) have raceways (3) at both ends of their roller bodies (10,20) rolling against each other, with the embossing gap (P) between the rollers to act on the web.

IPC 1-7

**B31F 1/07; B21B 31/16; B21B 27/03**

IPC 8 full level

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CPC (source: EP)

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Cited by

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