

Title (en)
Drying system.

Title (de)
Trocknungsvorrichtung.

Title (fr)
Système de séchage.

Publication
EP 0427217 B1 19950524 (DE)

Application
EP 90121251 A 19901107

Priority
AT 258289 A 19891110

Abstract (en)
[origin: EP0427217A2] The invention relates to a drying apparatus for material webs, especially paper or fibre webs, moved at high speed, which consists of appropriately one row of steam-heated cylinders, located especially on essentially the same horizontal plane, and of appropriately one row of unheated deflecting rollers which are located approximately in interspaces of these cylinders and are mounted especially likewise in a horizontal plane arranged below or above the abovementioned horizontal plane and the casing of which is perforated and/or provided with grooves, a suction of air from these deflecting rollers being provided, and these cylinders and the deflecting rollers being equipped with a single-wire screen-band covering, and the material web lying on the cylinders between their casing and the screen band or the like, whilst, on the deflecting rollers, the screen band comes to lie on the casing of the rollers and the material web externally on the screen band. The invention is primarily characterised in that there is provided the arrangement of a flow fitting (4), guiding the air stream and therefore the material web, in the cylinder interspaces between the casings of the cylinder or cylinders and the deflecting rollers on that part of the casing of the deflecting roller (2) not touched by the screen band, this flow fitting having completely closed side flanks facing the respective adjacent screen-band strand and possessing an undivided inner space connected to a vacuum generator. <IMAGE>

IPC 1-7
D21F 5/04

IPC 8 full level
D21F 5/04 (2006.01)

CPC (source: EP)
D21F 5/042 (2013.01)

Citation (examination)
DE 3828743 A1 19890323 - VALMET PAPER MACHINERY INC [FI]

Cited by
CN108291366A; EP1979535A4; US6128833A; DE19714758A1; CN111690996A; DE4314475A1; CN108291365A; CN108291364A; CN108291367A; WO2007085699A1; WO2011076251A2; WO2017092933A1; WO2017092932A1; WO9632534A1; WO2017092931A1; WO2017092930A1

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