

Title (en)
METHOD AND DEVICE FOR TEMPORARILY STORING LINEAR BODY

Title (de)
VERFAHREN UND VORRICHTUNG ZUR TEMPORÄREN LAGERUNG VON LINEAREN KÖRPERN

Title (fr)
PROCEDE ET DISPOSITIF DE STOCKAGE TEMPORAIRE D'UN CORPS LINEAIRE

Publication
EP 1595838 A4 20060201 (EN)

Application
EP 03768379 A 20031226

Priority
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Abstract (en)
[origin: EP1595838A1] A temporary storage device (21) includes a plurality of temporarily storing means (32), two in the disclosed embodiment, arranged parallel with each other in a lateral direction, wherein a linear body (16) is led from the outlet (X) of the temporarily storing means (32a) to the inlet (N) of the temporarily storing means (32b) by a guide means (39) so that, when the length of the temporarily stored linear body (16) is the same as a conventional one, the longitudinal length of the temporarily storing device (21) can be formed rather shorter than that of a conventional device and more specifically, the longitudinal length of the temporarily storing device (21) can be shortened approximately to a length obtained by dividing the longitudinal length of the conventional device by the number (i.e., two in this case) of the temporarily storage means (32). The temporarily storing device (21) can be thus generally made compact and easily installed also in an existing equipment. <IMAGE>

IPC 8 full level
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Citation (search report)
• [XY] DE 19849469 A1 20000504 - MANNESMANN AG [DE]
• [Y] US 5197644 A 19930330 - GILLETT JACK J [US], et al
• [A] EP 0989084 A2 20000329 - JOA CURT G INC [US]
• [A] DE 29521303 U1 19961205 - MANNESMANN AG [DE]
• [X] PATENT ABSTRACTS OF JAPAN vol. 009, no. 322 (M - 440) 18 December 1985 (1985-12-18)
• [A] PATENT ABSTRACTS OF JAPAN vol. 2003, no. 02 5 February 2003 (2003-02-05)
• See references of WO 2004060788A1

Cited by
WO2015019221A1; NL2001509C2; RU2673286C2; NL2027462B1; WO2022041747A1; WO2015019222A1; WO2022164310A1

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