

Title (en)
Machine for restoring the shape of barrels.

Title (de)
Maschine zum Wiederausrichten von Fässern.

Title (fr)
Machine à reformer les fûts.

Publication
EP 0119141 A1 19840919 (FR)

Application
EP 84400499 A 19840312

Priority
FR 8304271 A 19830314

Abstract (en)
1. Machine for restoring the shape of barrels provided with a threaded bung (2) of a superior gallery (3) and of a lower gallery (4), comprising a device of bearing and drive in rotation (5, 6) of the barrel (1), a device of restoring the shape (17, 18, 26) of the outside frame of the galleries (3, 4), and a device (22, 25) of realignment of the bung (2) ; the device of bearing and drive in rotation (5, 6) being constituted with two roller holders arbors (5, 6), in a parallel direction disposed, one of which at least (5), is carried away in rotation, against which the barrels (1) are leant on through an element provided with rollers (8) and the device of restoring the shape (17, 18, 26) of the outside frame of the galleries (3, 4) being constituted with a roller (17) connected to a swing level (18) and to a heat spring (26) wherein the element (7) provided with rollers (8) leaning the barrels (1) against the roller holders (5, 6) is constituted of one or several articulated ring bows (7), whereof the roller (17) is connected to the swing level (18) through a articulated arm (19) and whereof the device (22, 25) of the realignment of the bung (2) is constituted with an axis (22) one extremity of which is screwed (23) and corresponding to the bung's one (2), and the other extremity is provided with a flange (24), as with a double V incline (25) adjustable in position with regard to the machine's structure.

Abstract (fr)
L'invention concerne une machine à reformer les fûts comportant des galeries inférieure et supérieure et une bonde filetée. Les fûts (1) sont maintenus contre des galets (9, 10 et 11) montés sur deux arbres (5) supportés par des paliers (12 et 13) et un bâti (14), par un arceau articulé (7) équipé de galets fous (8). L'un des arbres (5) est relié à un motoréducteur (15) par une chaîne (16). La remise en forme des galeries (3 et 4) s'effectue à l'aide d'un galet de forme (17) sous l'action d'un bras articulé (18), d'un levier (19) et d'un vérin (20) et d'une source de chaleur (26). Le réaligement de la bonde (2) s'effectue à l'aide d'un axe (22), muni d'un filetage (23) et d'une collerette (24), et d'une double rampe en V (25).

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Citation (search report)
• [A] FR 1570221 A 19690606
• [A] FR 1600724 A 19700727
• [A] DE 273440 C
• [A] US 3487665 A 19700106 - SCHUCHARD FRANK BERNARD
• [A] GB 880988 A 19611025 - DISTILLERS CO YEAST LTD
• [A] GB 1247756 A 19710929 - RIV OFFICINE DI VILLAR PEROSA [IT]
• [A] DE 1906529 U 19641217 - ENGELHARDT KARL [DE]
• [A] US 2972917 A 19610228 - MOXON EARL R

Cited by
EP0659497A1; DE19847930A1; EP0546478A1; EP0997205A3; US5598729A; US5845527A; US5235837A; US6212926B1; WO2013067742A1; WO2010031409A1

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