

Title (en)
DEVICE AND PROCESS FOR IMPRINTING DRAFT BEER BARREL

Title (de)
VORRICHTUNG UND VERFAHREN ZUM PRÄGEN VON SCHANKBIERFÄSSERN

Title (fr)
DISPOSITIF ET PROCÉDÉ D'IMPRESSION DE FÛT À BIÈRE PRESSION

Publication
EP 3090878 A1 20161109 (EN)

Application
EP 14885825 A 20140516

Priority

- CN 201410092237 A 20140313
- CN 201420115113 U 20140313
- CN 2014077688 W 20140516

Abstract (en)

Disclosed is a device for imprinting a draft beer barrel, comprising a workbench (1) and a hydraulic pushing apparatus (2), an apparatus for imprinting the outside of a beer barrel (3) and an apparatus for imprinting the inside of a beer barrel (4) mounted on the workbench (1). The apparatus for imprinting the inside of a beer barrel (4) contains a rotating disc seat (41) rotating using a Z-axis as an axis, wherein the rotating disc seat (41) can mount a beer barrel (5), and an inner matrix (61) imprinting an inside face of the beer barrel (5) is mounted on the peripheral face of the rotating disc seat (41). The apparatus for imprinting the outside of a beer barrel (3) contains a connecting frame (31) moving linearly along a Y-axis direction, an outer matrix (62) imprinting an outside face of the beer barrel (5) being provided on the connecting frame (31). The hydraulic pushing apparatus (2) controls the outer matrix (62) on the connecting frame (31) moving linearly along an X-axis direction to make the outer matrix (62) and the inner matrix (61) fit with the wall of the beer barrel (5) for stamping. Further disclosed is a process for imprinting a draft beer barrel. The device and the process solve the problem in conventional technology of a semi-finished product being rejected due to imprinted material failing when stretched or welded, thereby reducing manufacturing costs and time for a beer barrel.

IPC 8 full level
B41K 3/00 (2006.01); **B41F 17/08** (2006.01); **B41F 17/14** (2006.01)

CPC (source: EP)
B41F 17/14 (2013.01); **B41F 17/18** (2013.01); **B41K 3/32** (2013.01); **B41P 2217/53** (2013.01); **B44B 5/0028** (2013.01)

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 3090878 A1 20161109; **EP 3090878 A4 20180124**; **EP 3090878 B1 20181017**; **EP 3090878 B8 20190515**; WO 2015135252 A1 20150917

DOCDB simple family (application)
EP 14885825 A 20140516; CN 2014077688 W 20140516