(19)


(11)
(88) Date of publication A3:
20.02.2013 Bulletin 2013/08
(43) Date of publication A2:
29.12.2010 Bulletin 2010/52
(21) Application number: 10155163.8
(22) Date of filing: $\mathbf{0 2 . 0 3 . 2 0 1 0}$
(51) Int CI.:

B67B $7 / 04^{(2006.01)}$
(84) Designated Contracting States:

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 SE SI SK SM TR
(30) Priority: 26.06.2009 CN 200910100182
(71) Applicant: Ningbo Jialilai Machinery Manufacture CO. Ltd.
Ningbo City Zhejiang 315113 (CN)
(72) Inventor: JIN, Huajun

315113
Ningbo City
Zhejiang (CN)
(74) Representative: Rapisardi, Mariacristina

Ufficio Brevetti Rapisardi S.r.I.
Via Serbelloni 12
20122 Milano (IT)
(54) A corkscrew
(57) The present invention discloses a corkscrew, which comprises a tubular body (1), linkage driving mechanism, screw assembly (2), screw guiding assembly (3), elastic limit piece (8), actuation lever (5) and capping assembly (6), wherein the driving link of the driving mechanism is connected with the actuation lever (5), the driven link is connected with the screw assembly (2); the screw guiding assembly (3) is slide-fitted into the tubular body (1); the capping assembly (6) is set on the inner wall of the tubular body (1), which forms an internal shape matching the shape of the neck of bottle (7); the elastic limit piece (8) is installed between the tubular body (1) and the capping assembly (6), the elastic limit piece (8) can prop up the neck of bottle (7) so as to limit the axial sliding of the screw guiding assembly (3). the corkscrew for the present invention can pull out corks from wine bottles and remove them. The abovementioned cork can be pulled out from the wine bottle by rotating the actuation lever back and forth only once, thus featuring convenient operation, time saving and least resistance.



## ANNEX TO THE EUROPEAN SEARCH REPORT

 ON EUROPEAN PATENT APPLICATION NO.This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on
The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information

| Patent document cited in search report |  | Publication date |  | Patent family member(s) | Publication date |
| :---: | :---: | :---: | :---: | :---: | :---: |
| EP 1787941 | A1 | 23-05-2007 | AT | 527204 T | 15-10-2011 |
|  |  |  | CN | 2868979 Y | 14-02-2007 |
|  |  |  | EP | 1787941 Al | 23-05-2007 |
|  |  |  | US | 2007107555 A1 | 17-05-2007 |
| DE 20219538 | U1 | 13-03-2003 | NON |  |  |
| DE 10200401675 | A1 | 10-11-2005 | NON |  |  |
| GB 2399566 | A | 22-09-2004 | CN | 2851238 Y | 27-12-2006 |
|  |  |  | GB | 2399566 A | 22-09-2004 |
|  |  |  | US | 2006185477 A1 | 24-08-2006 |
|  |  |  | W0 | 2004083101 A1 | 30-09-2004 |
| US 4393733 | A | 19-07-1983 | DE | 3071817 D1 | 11-12-1986 |
|  |  |  | EP | 0023858 A1 | 11-02-1981 |
|  |  |  | ES | 8104133 A1 | 01-07-1981 |
|  |  |  | US | 4393733 A | 19-07-1983 |
| US 2006112787 | A1 | 01-06-2006 | NON |  |  |

专 For more details about this annex : see Official Journal of the European Patent Office, No. 12/82

