

Title (en)
Device for cleaning the inner surfaces of containers in general

Title (de)
Vorrichtung zum Reinigen der Innenflächen von Behältern

Title (fr)
Dispositif pour nettoyer les surfaces internes de récipients

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Application
EP 01113618 A 20010615

Priority
IT MI20010408 A 20010228

Abstract (en)
A device for cleaning the inner surfaces of containers in general which comprises, on a supporting frame (1), a body (22,24) for coupling to the mouth of a container to be cleaned. A brush-like element (30) is further provided, which can be inserted in the container (23,25) and can perform a translational motion and a rotation with respect to the axis of the container (23,25). A washing head (41) is provided coaxially to the brush-like element (30) and is able to perform a translational motion with respect to the brush-like element (30). <IMAGE>

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B08B 9/08

IPC 8 full level
B08B 9/08 (2006.01); **B08B 9/087** (2006.01)

CPC (source: EP)
B08B 9/0808 (2013.01); **B08B 9/0813** (2013.01); **B08B 9/087** (2013.01)

Citation (search report)
• [YA] US 3992745 A 19761123 - LAURILA JAAKKO JOHANES
• [YA] DE 19834438 A1 19990304 - TRANSPORTE WAIZINGER GES M B H [AT]
• [A] EP 0559037 A1 19930908 - RIO BEER MASCHINENFABRIK AG [CH]
• [A] DE 3242877 C
• [A] DE 29613498 U1 19961121 - ADILI JASCHAR [DE]

Cited by
EP4205869A1; CN102319697A; US8806697B1; CN104399721A; EP1946855A1; CN104399722A; ITMI20121222A1; EP2684621A1; EP2036676A3; CN112404068A; CN103619498A; JP2014518153A; BE1030148B1; CN118023232A; US9067698B2; CN109482585A; CN113385507A; CN117839261A; WO2008052724A1; WO2017032491A1; WO2013001068A1; TWI547604B

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