

Title (en)  
IRONING APPARATUS

Title (de)  
BÜGELEINRICHTUNG

Title (fr)  
APPAREIL DE REPASSAGE

Publication  
**EP 3051019 A1 20160803 (EN)**

Application  
**EP 16000180 A 20160126**

Priority  
IT MI20150083 A 20150127

Abstract (en)  
The present invention relates to an ironing apparatus comprising: a water tank, a filter for reducing the water hardness placed in fluid communication with the tank and adapted to receive and filter the water contained in the tank, an iron that comprises at least a main body and a thermo-conductive metal plate secured to the base of the main body and adapted to receive the filtered water from the filter. Furthermore, the filter for reducing the water hardness comprises at least one ion exchange resin provided with silver ions. Such a filter for reducing the water hardness provided with ion-exchange resins supplied of silver ions is able to prolong the life of the iron, reducing the hardness of the filtered water and preventing the formation of algae in the filter itself, thus avoiding thereby the formation of limestone and the proliferation of algae in both resins and other parts of the hydraulic lines in the iron.

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**D06F 75/12** (2006.01); **D06F 75/14** (2006.01)

CPC (source: EP)  
**D06F 75/10** (2013.01)

Citation (applicant)  
• CN 203174392 U 20130904 - ZHEJIANG YUELI ELECTRICAL CO LTD  
• JP 2007209439 A 20070823 - TOSHIBA CORP, et al  
• JP 2008061670 A 20080321 - SANYO ELECTRIC CO, et al

Citation (search report)  
• [A] EP 1616992 A1 20060118 - IMETEC SPA [IT]  
• [A] US 6640472 B1 20031104 - WU TSAN-KUEN [TW]  
• [AD] JP 2007209439 A 20070823 - TOSHIBA CORP, et al  
• [AD] JP 2008061670 A 20080321 - SANYO ELECTRIC CO, et al  
• [AD] CN 203174392 U 20130904 - ZHEJIANG YUELI ELECTRICAL CO LTD  
• [A] EP 2803761 A1 20141119 - SEB SA [FR]  
• [A] GB 2308135 A 19970618 - SINGER CO NV [AN]  
• [A] CN 201738163 U 20110209 - JINSONG ZHOU

Cited by  
WO2021037910A1; EP3786344A1; CN113994043A

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