

Title (en)
IRON COMPRISING A DEVICE FOR RETAINING SCALE PARTICLES CARRIED BY STEAM

Title (de)
BÜGELEISEN, DAS EINE RÜCKHALTEVORRICHTUNG FÜR DIE DURCH DEN DAMPF TRANSPORTIERTEN KALKPARTIKEL UMFASST

Title (fr)
FER A REPASSER COMPORTANT UN DISPOSITIF DE RETENTION DES PARTICULES DE TARTRE TRANSPORTEES PAR LA VAPEUR

Publication
EP 3757279 A1 20201230 (FR)

Application
EP 20181696 A 20200623

Priority
FR 1907106 A 20190628

Abstract (en)
[origin: CN112144255A] The invention relates to an iron comprising an ironing plate (10), a heating body (2) and a steam distribution circuit comprising a cavity (51) in which a holding device (8) comprising a filter grid (7) is arranged, the filter grid being designed to hold incrustation particles carried by a stream of steam which escapes from the cavity (51) via at least one outlet opening (56) after passing through the filter grid, wherein the outlet opening is communicated with an exhaust passage (26) leading to a steam distribution chamber (27) formed between the lower surface of the heating body (2) and the ironing plate (10). The iron is characterized in that the evaporation chamber (3) is laterally defined by a peripheral wall (22) protruding from the upper surface of the heating body, and the upper part of the evaporation chamber is closed by a closing plate (24) resting on the peripheral wall, and an exhaust duct (26) extending beyond the volume defined by the peripheral wall (22) and the closure plate, the exhaust duct extending through the side of the evaporation chamber and/or below the evaporation chamber towards the lower surface of the heating body.

Abstract (fr)
Fer à repasser (1) comportant une plaque de repassage (10), un corps chauffant (2), et un circuit de distribution de vapeur, caractérisé en ce que la chambre de vaporisation (3) est délimitée latéralement par une paroi périphérique (22) faisant saillie sur la face supérieure du corps chauffant (2) et est fermée dans sa partie supérieure par une plaque de fermeture (24) reposant sur la paroi périphérique (22) et en ce que le canal d'échappement (26) s'étend à l'extérieur du volume délimité par la paroi périphérique (22) et la plaque de fermeture (24), le canal d'échappement s'étendant en direction de la face inférieure du corps chauffant (2) en passant sur le côté et/ou sous la chambre de vaporisation (3).

IPC 8 full level
D06F 75/14 (2006.01); **D06F 34/20** (2020.01)

CPC (source: CN EP)
D06F 34/20 (2020.02 - EP); **D06F 75/10** (2013.01 - CN); **D06F 75/14** (2013.01 - EP)

Citation (applicant)
• FR 3062857 A1 20180817 - SEB SA [FR]
• FR 2981371 A1 20130419 - SEB SA [FR]

Citation (search report)
• [A] FR 3062857 A1 20180817 - SEB SA [FR]
• [A] US 2014298693 A1 20141009 - TACK JOHANNES WILLEM [NL]
• [A] DE 102004032361 A1 20050804 - BRAUN GMBH [DE]
• [A] WO 2018216046 A1 20181129 - DE LONGHI APPLIANCES SRL [IT]

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 3757279 A1 20201230; **EP 3757279 B1 20220810**; CN 112144255 A 20201229; CN 112144255 B 20240126; FR 3097883 A1 20210101; FR 3097883 B1 20210528

DOCDB simple family (application)
EP 20181696 A 20200623; CN 202010588682 A 20200624; FR 1907106 A 20190628