

Title (en)

A steam iron pump assembly including a two-position selector.

Title (de)

Pumpeneinheit für ein Dampfbügeleisen mit einem Zweistufenwähler.

Title (fr)

Un ensemble de pompe pour fer à repasser à vapeur, avec sélecteur à deux positions.

Publication

**EP 0405770 A1 19910102 (EN)**

Application

**EP 90306166 A 19900606**

Priority

FR 8907719 A 19890612

Abstract (en)

The invention relates to a steam iron pump assembly including a two-position selector having one position corresponding to a sudden discharge of steam and a second position corresponding to spraying cold water. According to the invention the pump assembly (100) comprises a pump body (101) surmounted by a deformable bellows (102), and having two side outlets (105, 106) together with a rotary selector (111) passing through the deformable bellows (102). A bottom portion (112) of the rotary selector (111) is surrounded by a sealing sleeve (114) which is radially deformable at the level of one or other of the two side outlets (105, 106) from the pump body (101). The profile of the bottom portion (112) is adapted, depending on the angular position of the rotary selector (111), to apply the sleeve (114) against one of the outlet orifices while simultaneously allowing water to pass through the other outlet orifice.

IPC 1-7

**D06F 75/10**; **D06F 75/22**

IPC 8 full level

**D06F 75/18** (2006.01); **D06F 75/22** (2006.01)

CPC (source: EP)

**D06F 75/18** (2013.01); **D06F 75/22** (2013.01)

Citation (search report)

- [AD] EP 0080634 A1 19830608 - MOULINEX SA [FR]
- [AD] GB 2083569 A 19820324 - AEROSOL INVENTIONS DEV
- [A] FR 1442883 A 19660617 - PHILIPS NV
- [AD] US 4170835 A 19791016 - BAIN BENJAMIN H JR [US]
- [AD] FR 2488296 A1 19820212 - KRUPS STIFTUNG [DE]
- [AD] FR 2371540 A1 19780616 - JURA ELEKTROAPPARATE FAB [CH]
- [AD] US 3041757 A 19620703 - SWENSON ALFRED G, et al

Cited by

EP0497470A1

Designated contracting state (EPC)

DE ES FR GB IT NL

DOCDB simple family (publication)

**EP 0405770 A1 19910102**; **EP 0405770 B1 19931124**; AU 5694490 A 19901213; AU 624001 B2 19920528; CA 2018672 A1 19901212; CA 2018672 C 19990126; DE 69004748 D1 19940105; DE 69004748 T2 19940317; ES 2046696 T3 19940201; FR 2648164 A1 19901214

DOCDB simple family (application)

**EP 90306166 A 19900606**; AU 5694490 A 19900608; CA 2018672 A 19900611; DE 69004748 T 19900606; ES 90306166 T 19900606; FR 8907719 A 19890612