

Title (en)

CABINET DESIGN OF FILTER HOLDER FOR PRESSURIZED ESPRESSO MACHINES

Title (de)

GEHÄUSEAUSLEGUNG EINES FILTERHALTERS FÜR DRUCKBEAUFSCHLAGTE ESPRESSO-MASCHINEN

Title (fr)

STRUCTURE DE BOITIER DE PORTE-FILTRE POUR MACHINES A EXPRESSO SOUS PRESSION

Publication

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Application

EP 04815491 A 20041223

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Abstract (en)

[origin: WO2005063092A1] This invention provides a brewing head unit of a coffee machine for easily inserting or removing the filter (15) and locking the filter and the filter holder (17) into the brewing head of a coffee machine to form a water-and pressure tight connection. The filter and the filter holder can be inserted into the coffee machine of the present invention visually. This invention also provides a cabinet filter holder which can be inserted or placed into the brewing head assembly or unit of a coffee machine by sliding the filter holder into the brewing head unit from the front, to or side or by swinging the filter holder, which is movable attached to the brewing head assembly or unit on a pivot, into the coffee machine. This invention further provides a brewing head assembly or unit, wherein the locking mechanism (13, 20) for placing or orienting the filter holder and securing the filter holder to the brewing head assembly or unit is motor-driven. This invention further provides a cabinet filter design wherein the boiler (19) or heating system is separated from the brewing head assembly or unit.

IPC 8 full level

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CPC (source: EP KR)

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Citation (search report)

- [A] DE 19647039 A1 19970731 - J J DARBOVEN GMBH & CO [DE]
- [A] EP 0555775 A1 19930818 - DOMEL SA AG [CH]
- See references of WO 2005063092A1

Cited by

US7617763B2; US7694624B2

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