

Title (en)
A door hinge

Title (de)
Türscharnier

Title (fr)
Charnière de porte

Publication
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Application
EP 02425779 A 20021217

Priority
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Abstract (en)
[origin: EP1431671A1] A hinge for oven doors comprising a first box-shaped structure fixed to the oven frame and a second box-shaped structure fixed to the door, a lever connecting the first and second structures which pivots on a pin integral with the lever and turns about the pin between an oven closed and an oven open position; the second structure comprising a spiral spring for adjusting door opening and able to generate a moment which opposes door opening and an elastic element, consisting of metal wire and U-shaped, whose middle portion is connected to the second box-shaped structure and supports, at the ends of the two arms, each comprising a bending spiral spring, a roller which slides on a cam profile of the lever, to generate a moment which facilitates door opening through an angle of given amplitude and prevailing over the first moment. <IMAGE>

IPC 8 full level
F24C 15/02 (2006.01); **A47L 15/42** (2006.01)

CPC (source: EP)
A47L 15/4261 (2013.01); **E05F 1/1276** (2013.01); **F24C 15/023** (2013.01); **E05Y 2201/22** (2013.01); **E05Y 2201/426** (2013.01); **E05Y 2201/499** (2024.05); **E05Y 2600/33** (2013.01); **E05Y 2600/46** (2013.01); **E05Y 2900/304** (2013.01); **E05Y 2900/308** (2013.01)

Cited by
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