

Title (en)  
A door hinge

Title (de)  
Türscharnier

Title (fr)  
Charnière de porte

Publication  
**EP 1431671 A1 20040623 (EN)**

Application  
**EP 02425779 A 20021217**

Priority  
EP 02425779 A 20021217

Abstract (en)  
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>

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**F24C 15/02**; **A47L 15/42**

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

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