

Title (en)

Method and device for washing laundry in a machine using a powdery product

Title (de)

Verfahren und Vorrichtung zum Waschen von Wäsche in einer Maschine mit einem pulverförmigen Waschmittel

Title (fr)

Procédé et dispositif pour le lavage du linge en machine avec un produit particulière

Publication

EP 0343070 B1 19961113 (FR)

Application

EP 89401366 A 19890517

Priority

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- FR 8900288 A 19890111

Abstract (en)

[origin: EP0343070A1] Method for washing laundry in a machine, according to which a dispenser and diffuser device of the reusable type is filled with a powdery product exerting activity during washing, this device is placed in the machine together with the laundry to be washed, and subsequently the washing is carried out in the usual way. A device used comprises a flexible bag 224 mounted on a ring 221 made of plastic (polypropylene), with helical radial walls 222 providing orifices through the mouth delimited by the ring 221. A cage-shaped assembly 230 is arranged inside the sleeve of the bag 224, in order to maintain the shape of the latter during washing. The product (detergent) dissolves progressively and does not leave the device in solid form virtually at all. <IMAGE>

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C11D 17/046 (2013.01 - EP US); **D06F 39/024** (2013.01 - EP US)

Cited by

EP0683262A1; US6063390A; EP0875616A1; CZ299480B6; EP0641881A1; EP0490577A1; DE19518843C1; EP0479711A1; EP0687637A1; EP0473532A1; AU632046B2; US6363693B1; US7179772B2; US6523371B1; WO2011113745A1; WO9115566A1; WO9104369A1; US6451331B1; US6378274B1; WO0055046A1; US6281183B1; EP1072715A1; WO9846716A1; US6624130B2; US8367599B2; WO0055068A1; EP1314654A2; EP1361172A1; US6217854B1; US6610312B2; US6878380B2; WO0017438A1; WO9105903A1; EP0964951B2

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