

Title (en)  
CLEANING DEVICE FOR A TUBE WHEREIN A FLUID IS CIRCULATING

Publication  
**EP 0369851 B1 19920401 (FR)**

Application  
**EP 89402980 A 19891027**

Priority  
FR 8814996 A 19881118

Abstract (en)  
[origin: EP0369851A1] Method for continuously cleaning the interior of a tube (10) wherein a fluid is circulating, according to which a moveable element (11) is driven in continuous rotation within this tube by means of said fluid, one end of which moveable element is fastened to one end of the tube by a mechanical linkage (1,5) leaving it free to turn on itself about the axis of the tube. <??>Said moveable element comprises at least one sharp edge intended to scrape the internal surface of the tube, which is disposed so that in the course of the rotation of the moveable element it constitutes, along any transverse cross-section of the tube, that part of the moveable element which is furthest from the axis of the tube. <IMAGE>

IPC 1-7  
**F28G 3/10**

IPC 8 full level  
**B08B 9/02** (2006.01); **B08B 9/027** (2006.01); **F28G 1/06** (2006.01); **F28G 3/10** (2006.01)

CPC (source: EP KR US)  
**F28G 3/08** (2013.01 - KR); **F28G 3/10** (2013.01 - EP US)

Cited by  
FR2787564A1; CN100362309C; CN111426231A; WO2010076446A1; WO0037874A1; EP3719435A1; FR3094764A1

Designated contracting state (EPC)  
AT BE DE ES GB IT NL SE

DOCDB simple family (publication)  
**EP 0369851 A1 19900523**; **EP 0369851 B1 19920401**; AT E74423 T1 19920415; AU 4531289 A 19900524; AU 615120 B2 19910919; CN 1021080 C 19930602; CN 1042594 A 19900530; DE 68901129 D1 19920507; FR 2639425 A1 19900525; FR 2639425 B1 19910607; JP 2799201 B2 19980917; JP H02187596 A 19900723; KR 0133665 B1 19980428; KR 900008238 A 19900602; US 5013368 A 19910507

DOCDB simple family (application)  
**EP 89402980 A 19891027**; AT 89402980 T 19891027; AU 4531289 A 19891117; CN 89108329 A 19891031; DE 68901129 T 19891027; FR 8814996 A 19881118; JP 29210889 A 19891109; KR 890016661 A 19891117; US 43908889 A 19891120