

Title (en)  
THUMB FOR A BACKHOE

Title (de)  
BACKENANORDNUNG FÜR EINEN LÖFFELBAGGER

Title (fr)  
POUCE DE RETENUE POUR GODET

Publication  
**EP 1343940 A4 20090318 (EN)**

Application  
**EP 00993942 A 20000731**

Priority  
US 0020687 W 20000731

Abstract (en)  
[origin: WO0210522A1] A digging implement (10) including an extendable linkage (12) including a bucket (14) and a thumb assembly (34) for holding materials in the bucket (14). The thumb assembly (34) is configured to rotate as the linkage (12) extends, and both the bucket (14) and the thumb assembly (34) are independently operable.

IPC 1-7  
**E02F 3/413**

IPC 8 full level  
**E02F 3/39** (2006.01); **E02F 3/40** (2006.01)

CPC (source: EP)  
**E02F 3/306** (2013.01); **E02F 3/404** (2013.01)

Citation (search report)  

- [XY] US 2833422 A 19580506 - RAY FERWERDA, et al
- [Y] US 3688930 A 19720905 - SHUMAKER JOHN F
- [Y] US 4285628 A 19810825 - JANKOWSKI EDWARD M
- [A] US 4677772 A 19870707 - MORELLI ALDO [US]
- See references of WO 0210522A1

Designated contracting state (EPC)  
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)  
**WO 0210522 A1 20020207; WO 0210522 A8 20020606**; CA 2400917 A1 20020207; EP 1343940 A1 20030917; EP 1343940 A4 20090318; JP 2004522883 A 20040729; JP 4488737 B2 20100623

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**US 0020687 W 20000731**; CA 2400917 A 20000731; EP 00993942 A 20000731; JP 2003530034 A 20000731