

Title (en)
INJECTION DEVICE

Title (de)
INJEKTIONSGERÄT

Title (fr)
DISPOSITIF POUR INJECTIONS

Publication
EP 0964712 A1 19991222 (DE)

Application
EP 97912108 A 19971004

Priority
• DE 29703820 U 19970303
• EP 9705450 W 19971004

Abstract (en)
[origin: US6048336A] An injection device has a housing (112,116) wherein there is a longitudinally movable expressing member (186) for expressing an injection fluid from a fluid container (118). In order to displace the expressing member (186) longitudinally within the housing, an actuating member (170, 172) is associated therewith. The actuating member is displaceable between a proximal end position and a distal end position. Between the actuating member (170, 172) and the expressing member (186), a position-dependent connecting device (166", 167", 198, 210, 212) is provided, which is disabled in the distal end position of the actuating member (170, 172) and is enabled in a position range adjacent to the distal end position of the actuating member (170, 172) including its proximal end position. One thus obtains an injection device which is simple to operate, and which is especially adapted to permit a patient to repeatedly administer the same constant injection dose.

IPC 1-7
A61M 5/24; **A61M 5/315**

IPC 8 full level
A61M 5/24 (2006.01); **A61M 5/315** (2006.01)

CPC (source: EP US)
A61M 5/24 (2013.01 - EP US); **A61M 5/315** (2013.01 - EP US); **A61M 5/31551** (2013.01 - EP US); **A61M 5/31561** (2013.01 - EP US); **A61M 5/3158** (2013.01 - EP US); **A61M 5/31571** (2013.01 - EP US); **A61M 5/31593** (2013.01 - EP US); **A61M 2005/2407** (2013.01 - EP US); **A61M 2005/2492** (2013.01 - EP US)

Citation (search report)
See references of WO 9839041A1

Cited by
US7373375B2

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AT BE CH DE DK ES FR GB IE IT LI LU NL PT SE

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US 6048336 A 20000411; AT E220337 T1 20020715; CA 2230698 A1 19980903; DE 29703820 U1 19980702; DE 29724186 U1 20000420; DE 59707695 D1 20020814; DK 1000631 T3 20020902; EP 0964712 A1 19991222; EP 1000631 A2 20000517; EP 1000631 A3 20000607; EP 1000631 A4 20000427; EP 1000631 B1 20020710; ES 2174779 T3 20021116; JP 2001513688 A 20010904; JP 4203614 B2 20090107; US 6228067 B1 20010508; WO 9839041 A1 19980911

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US 59697 A 19971230; AT 00100878 T 19971004; CA 2230698 A 19980302; DE 29703820 U 19970303; DE 29724186 U 19971004; DE 59707695 T 19971004; DK 00100878 T 19971004; EP 00100878 A 19971004; EP 9705450 W 19971004; EP 97912108 A 19971004; ES 00100878 T 19971004; JP 53808498 A 19971004; US 49267900 A 20000127