

Title (en)
CONCRETE BREAKING SHEAR

Title (de)
Betonbrechzange

Title (fr)
PINCE A BROYER LE BETON

Publication
EP 1113111 B1 20030319 (DE)

Application
EP 99811219 A 19991230

Priority
EP 99811219 A 19991230

Abstract (en)
[origin: EP1113111A1] The pliers have hinged jaws (1,2) moved using hydraulic cylinders. The first jaw has a frame body (6) with first breaking and cutting areas. The second jaw has a body (7) with second breaking and cutting areas. When the pliers are closed, the second jaw fits in the first jaw and the breaking and cutting areas co-operate. The cutting areas have cutting elements (17,20), which are releasably fixed in holder pockets in the jaws.

IPC 1-7
E02F 3/96

IPC 8 full level
E02F 3/96 (2006.01)

CPC (source: EP US)
E02F 3/965 (2013.01 - EP US)

Cited by
WO2007106919A1; DE102010015416A1; CN110465395A; EP2672019A1; EP2801669A1; CN104350209A; EP2944729A3; US9333570B2; US10392776B2; WO2013182626A1; US10316530B2

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)
EP 1113111 A1 20010704; EP 1113111 B1 20030319; AT E234970 T1 20030415; AU 1980601 A 20010716; DE 59904659 D1 20030424; US 2003132327 A1 20030717; US 6766973 B2 20040727; WO 0149945 A1 20010712

DOCDB simple family (application)
EP 99811219 A 19991230; AT 99811219 T 19991230; AU 1980601 A 20001222; CH 0000686 W 20001222; DE 59904659 T 19991230; US 16938802 A 20021126