

Title (en)
DUAL PUMP UNIT

Title (de)
DOPPELPUMPEN-AGGREGAT

Title (fr)
GROUPE A DEUX POMPES

Publication
EP 1090226 A1 20010411 (DE)

Application
EP 99931129 A 19990622

Priority
• DE 19828180 A 19980624
• EP 9904303 W 19990622

Abstract (en)
[origin: DE19828180A1] A dual pump unit comprising two hydraulic pumps (2, 3) with coaxially mounted drive shafts (4, 5) that are coupled to each other in a non-positive fit by means of a coupling member (28). The coupling member (28) surrounds a connecting member (15), wherein high pressure lines (29, 30) and low pressure lines (31, 32) are formed. The connecting member (15) extends between two control bodies (33) that are respectively associated with one hydraulic pump (2,3) and which are used to create a cyclic connection between the cylinders (18, 19) of the hydraulic pumps (2, 3) and the high pressure lines (29, 30) and low pressure lines (31, 32). The connecting member (15) consists of two connector plates (13, 14) defining one of the hydraulic pumps (2, 3) respectively on the control bodies (33, 43) and an individually formed interchangeable intermediate element (38) arranged between the connector plates (13,14). The connector plates (13, 14) each have a recess (34, 35) into which the intermediate element (38) can be respectively inserted so that the connector plates (13) can radially encompass the intermediate element (38) and the intermediate element (38) can be fixed between the connector plates (13, 14).

IPC 1-7
F04B 1/22; **F04B 23/10**

IPC 8 full level
F04B 1/20 (2006.01); **F04B 1/22** (2006.01); **F04B 23/10** (2006.01)

CPC (source: EP US)
F04B 1/2064 (2013.01 - EP US); **F04B 1/22** (2013.01 - EP US); **F04B 23/106** (2013.01 - EP US)

Citation (search report)
See references of WO 9967532A1

Designated contracting state (EPC)
DE FR GB IT SE

DOCDB simple family (publication)
DE 19828180 A1 20000113; **DE 19828180 C2 20000420**; DE 59904464 D1 20030410; EP 1090226 A1 20010411; EP 1090226 B1 20030305; WO 9967532 A1 19991229

DOCDB simple family (application)
DE 19828180 A 19980624; DE 59904464 T 19990622; EP 9904303 W 19990622; EP 99931129 A 19990622