

Title (en)

MACHINE WITH MULTI TANDEM FREE PISTONS

Publication

EP 0031344 B1 19821222 (FR)

Application

EP 80901199 A 19810112

Priority

FR 7916295 A 19790625

Abstract (en)

[origin: WO8100019A1] A machine with free pistons comprising a frame, an inner moving assembly comprising a central cross bar and translatingly guided so as to effect a reciprocating motion along the frame axis and an outer moving assembly comprising two outer cross bars connected by at least one brace rod. The frame comprises a base (10) and a head (11) connected by at least one central monoblock structure. The inner moving assembly comprises four inner motor pistons movable along motor cylinders (15a-15d) arranged at the top of a rectangle and two compressor pistons sliding within the compressor cylinders (17a-17b) of which the axis pass outside said rectangle.

IPC 1-7

F02B 71/06; **F01B 11/00**

IPC 8 full level

F01B 11/00 (2006.01); **F02B 71/00** (2006.01); **F02B 71/06** (2006.01); **F02C 5/08** (2006.01)

CPC (source: EP US)

F01B 11/00 (2013.01 - EP US); **F02B 71/00** (2013.01 - EP US)

Designated contracting state (EPC)

CH DE FR GB LI NL SE

DOCDB simple family (publication)

WO 8100019 A1 19810108; BE 884002 A 19801229; CA 1132458 A 19820928; DE 3061420 D1 19830127; DK 80181 A 19810223; EP 0031344 A1 19810708; EP 0031344 B1 19821222; FR 2459875 A1 19810116; IT 1131350 B 19860618; IT 8022859 A0 19800618; JP S56500724 A 19810528; NO 153541 B 19851230; NO 153541 C 19860409; NO 810579 L 19810219; SU 948297 A3 19820730; US 4678407 A 19870707

DOCDB simple family (application)

FR 8000097 W 19800623; BE 201173 A 19800625; CA 354042 A 19800616; DE 3061420 T 19800623; DK 80181 A 19810223; EP 80901199 A 19810112; FR 7916295 A 19790625; IT 2285980 A 19800618; JP 50136780 A 19800623; NO 810579 A 19810219; SU 3247130 A 19810219; US 23712881 A 19810217