

(19)



Europäisches Patentamt
European Patent Office
Office européen des brevets



(11)

EP 0 836 004 A3

(12)

EUROPEAN PATENT APPLICATION

(88) Date of publication A3:
10.02.1999 Bulletin 1999/06

(51) Int Cl.6: F04B 27/053, F04B 35/01

(43) Date of publication A2:
15.04.1998 Bulletin 1998/16

(21) Application number: 97830512.6

(22) Date of filing: 10.10.1997

(84) Designated Contracting States:
AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC
NL PT SE
Designated Extension States:
AL LT LV RO SI

(72) Inventor: Zanarini, Franco
40013 Castel Maggiore (Bologna) (IT)

(74) Representative: Lanzoni, Luciano
c/o BUGNION S.p.A.
Via dei Mille, 19
40121 Bologna (IT)

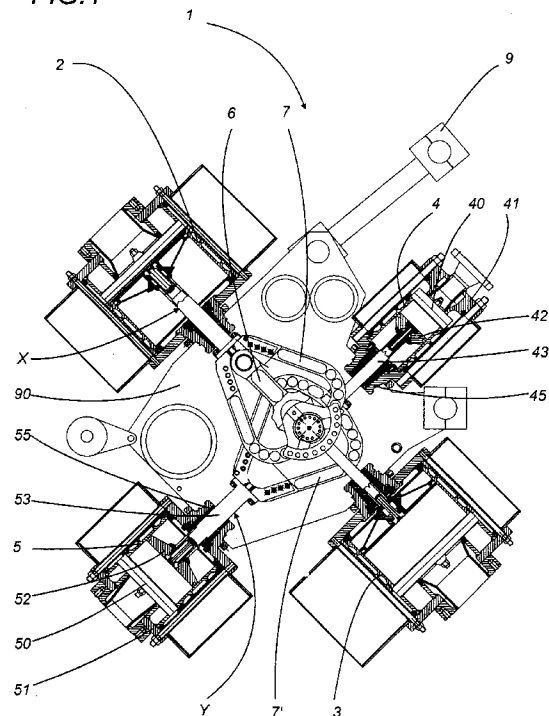
(30) Priority: 11.10.1996 IT BO960511

(71) Applicant: SAFE S.r.l.
I-40017 S. Giovanni in Persiceto (BO) (IT)

(54) A compressor

(57) The invention relates to a reciprocating positive displacement compressor (1), of the type which includes at least two coaxial cylinders (2, 3), in which two relative pressers (22, 32) slide, powered by motor means through relative connecting and motion transmission means which include a connecting rod (6), connected in such a way that it can rotate at a first end or big end, to a crankshaft (8); in the compressor (1), the connecting and motion transmission means are positioned halfway between the pressers (22, 32), and have fixing means (25, 35), designed to contain and fix the connecting and motion transmission means, so as to create at least one double-action cylinder (X), whose compressing surfaces consist in the pressers (22, 32)

FIG.1



EP 0 836 004 A3



European Patent Office

EUROPEAN SEARCH REPORT

Application Number
EP 97 83 0512

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.6)
X	US 4 756 674 A (MILLER BERNARD F) 12 July 1988 * figure 1 * * abstract * * column 2, line 41 - line 55 * ---	1-4,7	F04B27/053 F04B35/01
X	US 4 729 291 A (MILLER BERNARD F) 8 March 1988 * abstract * * figure 1 * ---	1,2	
A		4	
A	EP 0 389 414 A (SULZER AG) 26 September 1990 * abstract; figure 1 * -----	1-3,8-10	
			TECHNICAL FIELDS SEARCHED (Int.Cl.6)
			F04B
The present search report has been drawn up for all claims			
Place of search		Date of completion of the search	Examiner
THE HAGUE		18 December 1998	Kolby, L
CATEGORY OF CITED DOCUMENTS			
X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	

EPO FORM 1503 03.82 (P04C01)