

Title (en)
UNRESTRAINED PREFORM CARRIERS FOR A BLOW MOLDING MACHINE

Title (de)
VORRICHTUNG ZUM TRANSPORTIEREN VON VORFORMLINGEN FÜR EINE BLASFORMASCHINE

Title (fr)
PORTE-PREFORME LIBRES POUR MACHINES A SOUFFLER

Publication
EP 1289722 A1 20030312 (EN)

Application
EP 01941576 A 20010524

Priority
• US 0116744 W 20010524
• US 20688100 P 20000524

Abstract (en)
[origin: WO0189791A1] A two-step blow molding machine (10) having flexible cavitation which includes a plurality of stations, a preform loading station (12), a thermal conditioning station (14) where preforms are heated and thermally conditioned prior to blow molding, a blow molding station (16) having a plurality of molds, the number of which defines the cavitation of the blow molding station, and an article unloader station (18). The machine includes a plurality of carriers (22) adapted to receive the preforms thereon at said preform loading station. The carriers are transported about the machine in an unrestrained manner where spacing of the carriers does not correspond with cavitation of the machine. First and second conveyors and associated drives convey the carriers at different rates. The first and second conveyors and their associated drivers are independently controllable from one another such that the first and second rates are independently variable which allows changeable cavitation.

IPC 1-7
B29C 31/08; **B29C 49/64**; **B29C 49/68**

IPC 8 full level
B29C 49/42 (2006.01); **B29C 49/06** (2006.01); **B29C 49/28** (2006.01); **B29C 49/64** (2006.01); **B29C 49/68** (2006.01)

CPC (source: EP US)
B29C 49/18 (2013.01 - US); **B29C 49/28** (2013.01 - US); **B29C 49/4205** (2013.01 - EP); **B29C 49/42122** (2022.05 - EP); **B29C 49/68** (2013.01 - US); **B29C 49/06** (2013.01 - EP); **B29C 49/28** (2013.01 - EP); **B29C 49/42081** (2022.05 - EP); **B29C 49/42085** (2022.05 - EP); **B29C 49/42119** (2022.05 - EP); **B29C 49/4238** (2022.05 - EP); **B29C 49/6409** (2013.01 - EP); **B29C 49/68** (2013.01 - EP); **B29C 49/6835** (2022.05 - EP); **B29C 49/685** (2022.05 - EP); **B29C 2049/4294** (2013.01 - EP); **B29C 2949/0715** (2022.05 - EP)

Citation (search report)
See references of WO 0189790A1

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)
WO 0189791 A1 20011129; AU 6809101 A 20011203; AU 7491701 A 20011203; EP 1289722 A1 20030312; EP 1289723 A1 20030312; WO 0189790 A1 20011129

DOCDB simple family (application)
US 0116996 W 20010524; AU 6809101 A 20010524; AU 7491701 A 20010524; EP 01941576 A 20010524; EP 01945993 A 20010524; US 0116744 W 20010524