

Title (en)
DEVICE FOR PROVIDING INDIVIDUAL SPRAY SYSTEMS OF PRESSURE CASTING MACHINES WITH A LIQUID CONTAINING WATER AND ADDITIVES

Publication
EP 0203980 B1 19890524 (DE)

Application
EP 86900103 A 19851204

Priority
DE 3444182 A 19841204

Abstract (en)
[origin: US4721150A] PCT No. PCT/EP85/00666 Sec. 371 Date Jun. 6, 1986 Sec. 102(e) Date Jun. 6, 1986 PCT Filed Dec. 4, 1985 PCT Pub. No. WO86/03438 PCT Pub. Date Jun. 19, 1986. The subject matter of the invention is a device for supplying spray units for die casting machines each with a fluid containing water and additives for cooling, cleansing and lubricating purposes. The device contains at least one central tank (26,28) storing water comprising additives, whose concentration has been adjusted to a maximum. Said maximum value depends on casting materials, molds (18,20) and die casting methods which are carried out on the die casting machines (10,12). In another central tank (44) water is stored. The tanks (26,28,44) are connected to mixing valves (38,40) provided at each die casting machine (10,12). A pump is connected between the outlet of each mixing valve and the inlet of a respective spray unit at a die casting machine.

IPC 1-7
B22D 17/20

IPC 8 full level
B22C 23/02 (2006.01); **B22D 17/20** (2006.01)

CPC (source: EP KR US)
B22D 17/20 (2013.01 - KR); **B22D 17/2007** (2013.01 - EP US); **Y10T 137/86131** (2015.04 - EP US)

Citation (examination)
US 4186769 A 19800205 - BUYCE DWIGHT D [US]

Designated contracting state (EPC)
AT BE CH DE FR GB IT LI NL SE

DOCDB simple family (publication)
US 4721150 A 19880126; AT E43267 T1 19890615; AU 5230386 A 19860701; DE 3444182 A1 19860612; DE 3444182 C2 19871022; DE 3570380 D1 19890629; EP 0203980 A1 19861210; EP 0203980 B1 19890524; JP 2608057 B2 19970507; JP S62501276 A 19870521; KR 870700031 A 19870228; WO 8603438 A1 19860619

DOCDB simple family (application)
US 87897286 A 19860606; AT 86900103 T 19851204; AU 5230386 A 19851204; DE 3444182 A 19841204; DE 3570380 T 19851204; EP 8500666 W 19851204; EP 86900103 A 19851204; JP 50015186 A 19851204; KR 860700395 A 19860626