

Title (en)
FLUID PUMP

Title (de)
PUMPE FÜR FLUIDE

Title (fr)
POMPE POUR FLUIDES

Publication
EP 2348944 B1 20171220 (DE)

Application
EP 09778692 A 20090924

Priority
• EP 2009006894 W 20090924
• DE 102008050895 A 20080925

Abstract (en)
[origin: WO2010034488A1] A pump (12) for a dishwashing machine has a motor (15) and a heater (28) for heating of the fluid upon passage through the pump (12) during conveyance. The motor drives a conveyor (18). Pump (12) and conveyor (18) are designed to pump and/or to convey both air and water and also to provide heating, if necessary, for example, of the air for drying of the dishes in the dishwashing machine. Different rated-operating speeds can be used.

IPC 8 full level
A47L 15/42 (2006.01); **D06F 39/04** (2006.01); **D06F 39/08** (2006.01)

CPC (source: EP US)
A47L 15/4225 (2013.01 - EP); **A47L 15/4285** (2013.01 - EP); **D06F 39/04** (2013.01 - EP US); **D06F 39/085** (2013.01 - EP US)

Citation (examination)
US 3568771 A 19710309 - VINCENT RENIC P, et al

Citation (opposition)
Opponent : Bleckmann GmbH & Co. KG
• EP 2348944 A1 20110803 - EGO ELEKTRO GERAETEBAU GMBH [DE]
• WO 2010034488 A1 20100401 - EGO ELEKTRO GERAETEBAU GMBH [DE], et al
• DE 102008050895 A1 20100401 - EGO ELEKTRO GERAETEBAU GMBH [DE]
• DE 512274 C 19301108 - HEINRICH SCHLOEMANN
• CH 364090 A 19620831 - BAUKNECHT GMBH G [DE]
• CH 574732 A5 19760430 - ZUG VERZINKEREI AG
• DE 102005062480 A1 20070705 - BSH BOSCH SIEMENS HAUSGERAETE [DE]
• WO 9619672 A1 19960627 - KOHLER CO [US]
• DE 19903951 A1 20000803 - EICHENAUER GMBH & CO KG F [DE]
• US 4889974 A 19891226 - AUDING HANS [DE], et al
• EP 0591774 A1 19940413 - MIELE & CIE [DE]
• DE 102007030072 A1 20090102 - BSH BOSCH SIEMENS HAUSGERAETE [DE]
• DE 102004060947 A1 20060629 - BSH BOSCH SIEMENS HAUSGERAETE [DE]
• GROTE K.H ET AL: "DUBBEL Taschenbuch für den Maschinenbau", 10 October 2007, article "strömungsmashinen", pages: R32 - R34, XP055521260

Cited by
EP3859071A1; EP3777639A1; EP2348944B1

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AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

DOCDB simple family (publication)
WO 2010034488 A1 20100401; DE 102008050895 A1 20100401; EP 2348944 A1 20110803; EP 2348944 B1 20171220;
EP 2348944 B2 20221026; ES 2657433 T3 20180305; ES 2657433 T5 20230223; PL 2348944 T3 20180731; PL 2348944 T5 20230220

DOCDB simple family (application)
EP 2009006894 W 20090924; DE 102008050895 A 20080925; EP 09778692 A 20090924; ES 09778692 T 20090924; PL 09778692 T 20090924