

Title (en)  
CLEANING DEVICE FOR SWIMMING-POOL

Publication  
**EP 0017974 B1 19840801 (DE)**

Application  
**EP 80102040 A 19800416**

Priority  
AT 286079 A 19790417

Abstract (en)  
[origin: EP0017974A2] 1. Swimming-pool cleaner for filtering the swimming-pool water and for cleaning the swimming-pool bottom with an electric-motor-driven pump which draws in swimming-pool water through a suction device (15), leads said water through a filter (10) and then pumps it back again into the swimming-pool whereby the suction device, the filter, the motor (1, 2) and the pump are combined to form a unit whose displacement is so great that in normal operation the cleaner, when immersed in the swimming-pool water, projects out of the water only with a part of the suction device so that floating dirt particles are drawn in, wherein the motor (1, 2) is in the form of an induction motor with two-phase low-voltage winding (31, 34) having two coil sets whereby the first winding (31) is supplied with low voltage by a first transformer (30) and the second winding (34) is supplied by a second transformer (32) which in turn is supplied from the mains through the intermediary of a capacitor (33).

IPC 1-7  
**E04H 3/20**

IPC 8 full level  
**E04H 4/12** (2006.01)

CPC (source: EP)  
**E04H 4/1263** (2013.01)

Cited by  
CN105401754A; DE19951436C2; DE102007011972A1; DE102007011972B4; US9555352B2; US11439882B2

Designated contracting state (EPC)  
CH DE FR IT LI

DOCDB simple family (publication)  
**EP 0017974 A2 19801029; EP 0017974 A3 19801210; EP 0017974 B1 19840801; AT 374548 B 19840510; AT A286079 A 19830915; DE 3068774 D1 19840906**

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