Title (en)
Cleaning device for swimming-pool.

Title (de)
Reinigungsgerät für Schwimmbad.

Title (fr)
Appareil de nettoyage pour bassin de natation.

Publication
EP 0017974 A2 19801029 (DE)

Application
EP 80102040 A 19800416

Priority
AT 286079 A 19790417

Abstract (en)
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).

Abstract (de)
Schwimmbadreinigungsgerät mit einer elektromotorisch getriebenen Pumpe, die Schwimmbadwasser durch eine Ansaugvorrichtung ansaugt dieses durch ein Filter hindurchleitet und dann wieder in das Schwimmbad zurückfördert, wobei die Ansaugvorrichtung, das Filter, der Motor und die Pumpe zu einer Einheit zusammengefaßt sind, deren Verdrängung so groß ist, daß das Gerat beim Eintauchen in das Schwimmbadwasser nur mit einem Teil der Ansaugvorrichtung aus dem Wasser ragt, so daß schwimmende Schmutzteilchen angesaugt werden.

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

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EP 80102040 A 19800416; AT 286079 A 19790417; DE 3068774 T 19800416