

Title (en)  
Hand held hot air blower.

Title (de)  
Handgehaltenes Warmluftblasgerät.

Title (fr)  
Dispositif tenu à la main pour souffler de l'air chaud.

Publication  
**EP 0170974 A2 19860212 (EN)**

Application  
**EP 85109230 A 19850723**

Priority  
• US 63937184 A 19840808  
• US 63966384 A 19840808  
• US 63966884 A 19840808

Abstract (en)  
A hot air gun or blower of the type useable for blistering paint on a painted surface for easing the removal of paint thereof has a housing (2, 3) with internal brackets (24a-b, 25a-e, 26a-c, 27a-e, 28a-e, 30a-c, 31a-e, 50a-b) supporting and retaining a switch assembly (36), a circuit board (51) a motor (69) having an impeller (40), a motor mount (101), a shroud (41) surrounding the impeller (40), and a heating element (11). The internal brackets supporting these elements are configured so as to provide a number of air passages (60, 61a-b, 62a-b, 63) between the elements and the interior wall of the housing. In addition to drawing air through a rear portion of the gun, air is drawn through an annular opening (14a) in the front of the gun between the cover (12) for the heating element (11) and the housing (2, 3). The air thus passes over the covered heating coil (212) and is preheated before being blown by the impeller (40) directly over the coil (212) for primary heating. At least one wave-like flange (53) is received between spaced interior brackets (26a-b) in the housing for providing a press fit of the components between the two housing halves (2,3) thus eliminating the need for mechanical fasteners for mounting the components of the gun.

IPC 1-7  
**B44D 3/16**

IPC 8 full level  
**B44D 3/16** (2006.01)

CPC (source: EP)  
**B44D 3/168** (2013.01)

Cited by  
CN106455350A; DE9311603U1; US7039301B1; GB2213253A; GB2213253B; EP2952746A1; WO2021208399A1

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