

Title (en)  
PNEUMATIC MIXER AND CONVEYOR.

Title (de)  
MISCH- UND DRUCKLUFTFÖRDERGERÄT.

Title (fr)  
TRANSPORTEUR ET MELANGEUR PNEUMATIQUE.

Publication  
**EP 0633831 A1 19950118 (DE)**

Application  
**EP 93907853 A 19930330**

Priority  
• DE 4211139 A 19920403  
• EP 9300764 W 19930330

Abstract (en)  
[origin: WO9319914A1] A pneumatic mixer and conveyor, in particular for mixing and conveying mortar or concrete, comprises a mixing tank (18) which can be filled with the material to be mixed and conveyed, is connected to a conveyor pipe (12), contains a motor-driven agitator (14) and to which compressed air may be applied. It also comprises a driving motor (20) and a screw-type compressor (32) that can be driven by the driving motor for generating compressed air. The agitator may be driven by means of a hydraulic motor (30) to which pressure oil may be supplied by at least one hydraulic pump (24, 26) driven by the driving motor (20). The screw-type compressor (32) is arranged in a lubricating and cooling oil circuit that contains an oil/air reservoir (34) with an air separator (36) and oil sump (38). In order to obtain a light-weight design which is easy to mount and to service, the hydraulic circuit of the agitator drive and the lubricating and cooling oil circuit of the screw-type conveyor (32) have a common oil tank, formed by the oil sump (38) of the oil/air reservoir, as well as a common oil cooler (50) and oil filter (52).

IPC 1-7  
**B28C 5/08**; **B28C 5/12**

IPC 8 full level  
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