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A METHOD AND DEVICE FOR IMPROVING THE
QUALITY OF FRESH CONCRETE AND PREVENTING
ADHESION AND HARDENING OF FRESH CONCRETE
IN A ROTARY MIXER DRUM OF A CONCRETE MIXER
TRUCK AND/OR IN A CONCRETE MIXING PLANT



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ABSTRACT

A method of and device for preventing adhesion and hardening of mixed fresh concrete on a plurality of rotary blades and an inner periphery of a rotary and/or stationary mixer drum of a concrete mixer truck and/or of a concrete mixing plant which comprises delivering selectively and continuously cold air into mixed fresh concrete in a rotary and/or stationary concrete mixer drum of a concrete mixer truck and/or a concrete mixing plant when the open air temperature outside the mixer drum is high, delivering continuously warm air into the mixed fresh concrete in the rotary concrete mixer of the concrete mixer truck when the open air temperature outside the mixer drum is low in order to maintain the temperature of the fresh concrete within a predetermined range and to delay a hardening time of the mixed fresh concrete, and spraying water into the rotary mixer drum.

Figure 4