

Short Form (9/77)
Philip Morris USA

Date: June 26, 1990

PM #: _____

INVENTION RECORD

(Preliminary Disclosure for Consideration of Patentability)

TO: Patent Counsel

1. DESCRIPTION OF THE INVENTION (in sufficient detail for the invention to be understood; please identify or attach copies of any reports, notebook pages, or other documents containing particular examples or other pertinent data):

The use of EITELITE [$\text{Na}_2\text{Mg}(\text{CO}_3)_2$] to effectively reduce sidestream smoke emissions from statically burning cigarettes is hereby disclosed. Applied to a 45 g/m² basis weight paper at the 30% level, and sized with 6.8% dipotassium succinate, a 60% reduction in SS emission relative to AFK was achieved. The ash appearance was significantly improved over other magnesium carbonates, and the subjectives were well regarded.

2. OBJECTS/ADVANTAGES OF THE INVENTION:

This filler is novel, in the present application, and provides an internal fluxing agent which helps maintain the coherence of the ash. There was good cling, no fall-off, and near solidity to the ash. Ash color was darker than usual. This material has much better ash coherence than the usual magnesium carbonates investigated so far at Philip Morris. The subjectives were deemed highly encouraging.

3. STATE OF THE ART (list any known patents or publications that seem pertinent):

On file in the Patent Department.

4. HAS THERE BEEN A DISCLOSURE OF THE INVENTION TO ANYONE OUTSIDE THE COMPANY? IF SO, EXPLAIN.

None.

Submitted by:	(1) <u>John B. Paine III</u>	<u>June 26, 1990</u>
		Date
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Manager's Signature: _____

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