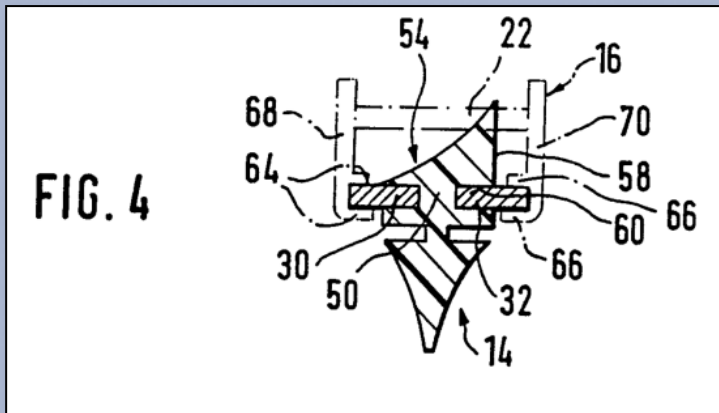


IPR2016-00039, IPR2016-00040, IPR2016-00041 Oral Arguments
U.S. Patent No. 7,228,588
U.S. Patent No. 7,484,264
U.S. Patent No. 8,099,823

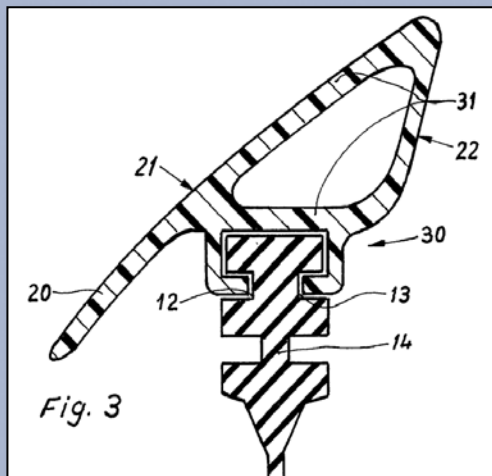
Prior Art and the '588, '264, and '823 Patents

Merkel, Fig. 4

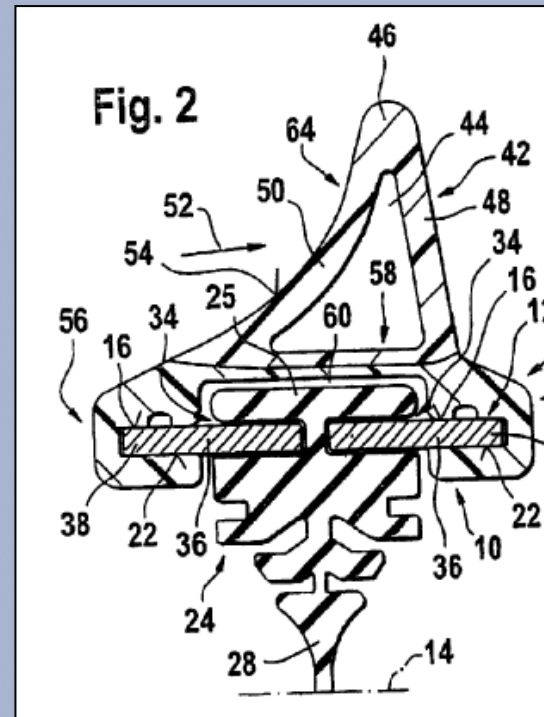


IPR2016-00039 Exs. 1013, 1014; IPR2016-00040 Exs. 1016, 1017;
IPR2016-0041 Exs. 1008, 1009

Prohaska, Fig. 3



'588, '264, and '823 Patents, Fig. 2

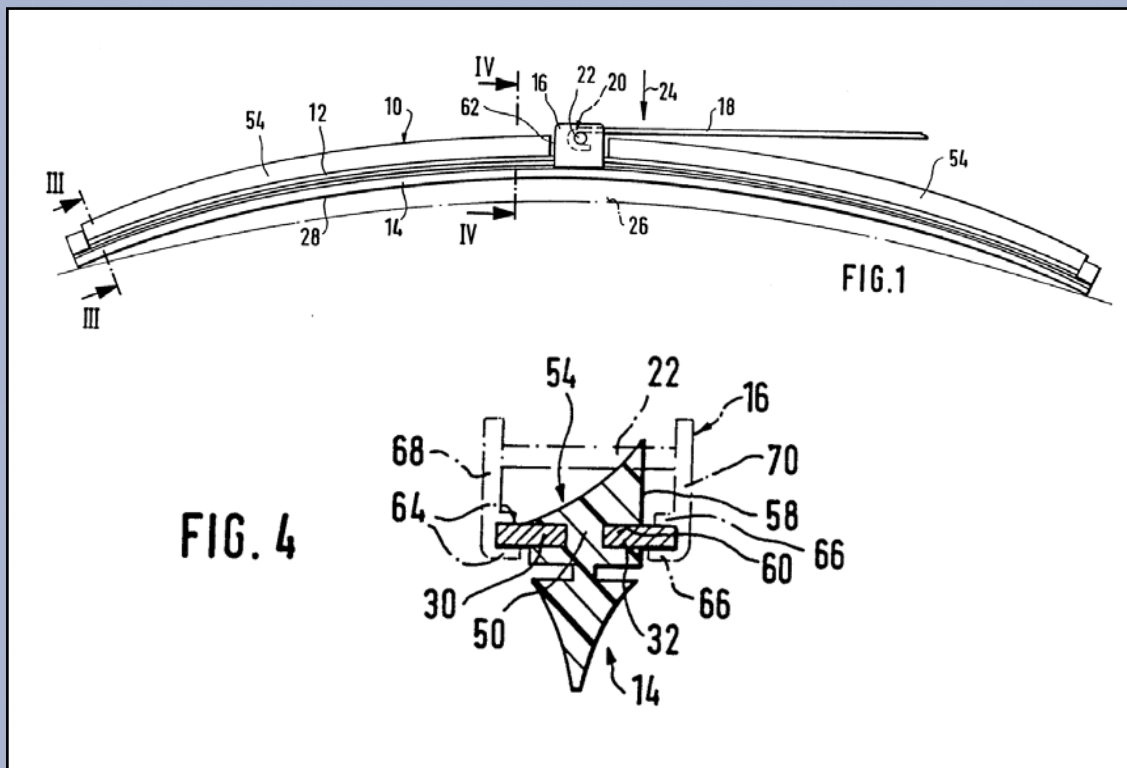


Ex. 1001

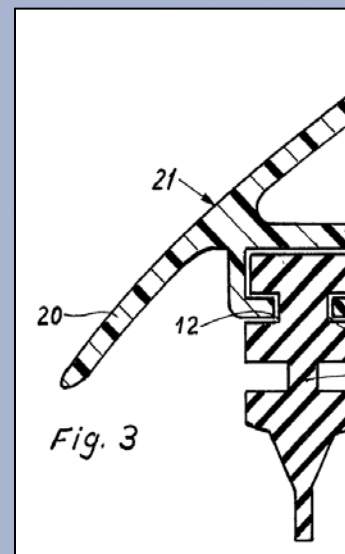
IPR2016-00039: See Petition (Paper #1), pp. 3–6 (describing Patent), pp. 11–12 (describing Prohaska), pp. 17–18 (describing Patent)
IPR2016-00040: See Petition (Paper #1), pp. 4–5 (describing Patent), pp. 10–12 (describing Prohaska), pp. 16–17 (describing Patent)
IPR2016-00041: See Petition (Paper #9), pp. 4–5 (describing Patent), pp. 15–17 (describing Prohaska), pp. 21–22 (describing Patent)

Obviousness of the '588, '264, and '823 Patents

Merkel, Figs. 1 & 4



Prohaska, F



IPR2016-00039 Ex. 1003; IPR2016-00040 Ex. 1008, 1009

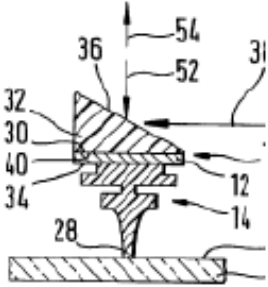
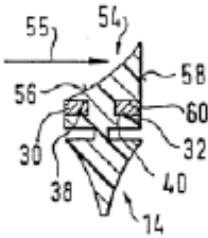
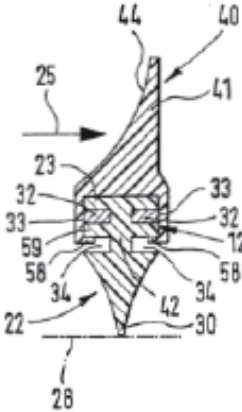
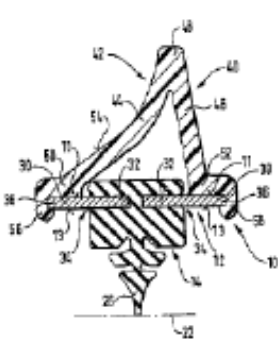
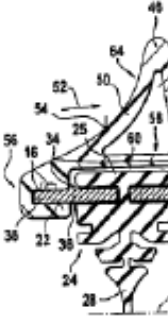
IPR2016-00039 Exs. 1013, 1014; IPR2016-00040 Exs. 1016, 1017; IPR2016-0041 Exs. 1008, 1009

IPR2016-00039: See Petition (Paper #1), pp. 11–12 (describing Prohaska), pp. 17–18 (describing Merkel)

IPR2016-00040: See Petition (Paper #1), pp. 10–12 (describing Prohaska), pp. 16–17 (describing Merkel)

The '588, '264, and '823 Patents Reflect a Further Iteration Series of Minor Improvements that Occurred In the Ordinary Course Without Real Innovation

Exemplary Timeline of Improvements⁴

				
Aug. 21, 1997 ⁵	Sept. 8, 1997 ⁶	Dec. 7, 1998 ⁷	May 29, 2000 ⁸	Apr. 26,

IPR2016-00039: Reply (Paper #37), p. 10 & n.4, n.5 (citing Exs. 1104, 1105, Fig. 3), n.6 (citing Merke n.7 (citing Ex. 1016 p. 139, Fig. 3), n.8 (citing Ex. 1016 p.78, Fig. 2), n.9 (citing '588 Patent, Fig. 2); see at p. 9 (citing *KSR Int'l Co. v. Teleflex*, 550 U.S. 398, 419, 427 (2007))

IPR2016-00040: Reply (Paper #34), pp. 10–11 & n.5–n.10; see also *id.* at p. 10

IPR2016-00041: Reply (Paper #38), pp. 10–11 & n.5–n.10; see also *id.* at p. 10

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